

NCERT Syllabus for Class 11 2023 (All Subjects) - Download Pdf Here

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NCERT Syllabus for Class 11 2023 - Students preparing for 11th class level exams must refer NCERT class 11 syllabus for Maths, Physics, Chemistry and other major subjects. This NCERT syllabus 2023 is prepared after thorough research. 11 class syllabus of NCERT includes topics that are mandatory for a student to study.

These topics in [NCERT syllabus](#) will help students to study in 12th class by making their basics strong. Students can easily access 11 class syllabus 2023 of NCERT as a pdf file using the links given in this article. NCERT Class 11 books are also prepared strictly as per the NCERT syllabus 2023.

Along with providing the download links, NCERT class 11 syllabus is also giving an overview of all major subject syllabus. Scroll down to know more about the class 11 syllabus NCERT for all the subjects.

Latest: [NCERT class 11 solutions](#) for all subjects are available.

NCERT Syllabus for Class 11 English 2023

Majority NCERT 11th class English syllabus is divided into three sections further which all comprise topics and sub-topics. The major topics are tabulated below or students can download the comprehensive class 11 syllabus NCERT syllabus for class 11 using the link given above:

NCERT Class 11 English Syllabus

Section	Topics
Grammar	Determiners, Modals, Tenses, Change of voice, Clauses, Error correction, Re-ordering of sentences, Editing tasks, Transformation of sentences
Writing skills	Notice/ Poster/ Advertisement, Letters based on verbal/visual Input, Composition In the form of Article/Speech/Report Writing or a Narrative

Literature	Prose, Poetry, short-stories and Essays from the following prescribed books <ul style="list-style-type: none"> • Snapshots: Supplementary Reader published by NCERT • Hornbill: Textbook published by NCERT • Woven Words: published by NCERT
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NCERT Syllabus for Class 11 English Hornbill

Reading Skills	5. The Adventure
1. The Portrait of a Lady	6. Silk Road
2. We're Not Afraid to Die... if We Can All Be Together	Photograph (poem)
3. Discovering Tut: the Saga Continues	The Voice of the Rain (poem)
4. The Ailing Planet: the Green Movement's Role	Laburnum Top (poem)
Father to son (Poem)	Childhood (poem)
Writing Skills	
1. Note-making	4. Essay-writing
2. Summarising	5. Letter-writing
3. Sub-titling	6. Creative Writing

NCERT Syllabus for Class 11 English Snapshots Supplementary Reader

1. The Summer of the Beautiful White Horse	4. The Ghat of the Only World
2. The Address	5. Birth
3. Mother's Day	6. The Tale of Melon City

NCERT Syllabus for Class 11 English 2023 Woven Words

Short Stories	
1. The Lament	5. Pappachi's Moth
2. A Pair of Mustachios	6. The Third and Final Continent
3. The Rocking-horse Winner	7. Glory at Twilight
4. The Adventure of the Three Garridebs	8. The Luncheon
Poetry	
1. The Peacock	7. Hawk Roosting
2. Let me Not to the Marriage of True Minds	8. For Elkana
3. Coming	9. Refugee Blues
4. Telephone Conversation	10. Felling of the Banyan Tree
5. The World is too Much With Us	11. Ode to a Nightingale
6. Mother Tongue	12. Ajamil and the Tigers
Essays	
1. My Watch	5. What is a Good Book?
2. My Three Passions	6. The Story
3. Patterns of Creativity	7. Bridges
4. Tribal Verse	

NCERT Syllabus for Class 11 Physics 2023

Physics is a theory cum practical subject. The theory syllabus comprises 14 chapters in total. As per NCERT class 11 syllabus physics practical, a student needs to practise with some experiments and activities and create a project report accordingly.

NCERT Physics Class 11 Syllabus

Chapter name	Marks	Topics
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Units and Measurements

23

Dimensions of physical quantities, Units of measurement, dimensional analysis, systems of units, and its applications. Length, mass and time measurements; measuring instruments, errors in measurement, etc.

Motion in a Straight Line

Motion in a straight line, speed and velocity. uniform and non-uniform motion, Elementary concepts of differentiation and integration for describing motion, average speed and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs, etc.

Motion in a Plane

Scalar and vector quantities, equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, relative velocity, Unit vector, uniform circular motion, Motion in a plane, cases of uniform velocity and uniform acceleration projectile motion, etc.

Laws of Motion

Inertia, Newton's first law of motion; momentum and Newton's second and third law of motion. conservation of linear momentum. impulse; Equilibrium of concurrent forces, Centripetal force, etc.

Work, Energy and Power

Work done by a constant force and a variable force; kinetic energy, Notion of potential energy, work-energy theorem, power. conservative and nonconservative forces: conservation of mechanical energy; motion in a vertical circle; elastic and inelastic collisions in one and two dimensions, potential energy of a spring, etc.

System of Particles and Rotational Motion

Centre of mass, momentum conservation. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium, Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects. Statement of parallel and perpendicular axes theorems and their applications, etc

<p>Gravitation</p>		<p>Acceleration due to gravity and its variation. universal law of gravitation, Gravitational potential energy, Geo-stationary satellites, orbital and escape velocity, Acceleration due to gravity and its variation, Kepler's laws of planetary motion etc.</p>
<p>Mechanical Properties of Solids</p>	<p>20</p>	<p>Poisson's ratio, bulk modulus, Young's modulus, shear modulus of rigidity, Stress-strain relationship, Elastic behaviour, Hooke's law, etc.</p>

Mechanical Properties of Fluids

Surface energy and tension, application of surface tension, excess of pressure across a curved surface. Viscosity, terminal and critical velocity, Bernoulli's theorem and its applications, Stokes' law, Pascal's law and its applications, effect of gravity, etc.

Thermal Properties of Matter

Heat, temperature, C_p , C_v - calorimetry, change of state - latent heat capacity, specific heat capacity, Heat transfer - conduction, thermal expansion, convection and radiation, thermal conductivity, Stefan's law, Greenhouse effect, Blackbody radiation, Wein's displacement Law, etc.

Thermodynamics

First law of thermodynamics, Heat engine and refrigerator, zeroth law of thermodynamics, isothermal and adiabatic processes, heat, work and internal energy, Second law of thermodynamics, etc.

Kinetic Theory

Kinetic interpretation of temperature, Avogadro's number, degrees of freedom, Kinetic theory of gases, law of equi-partition of energy, RMS speed of gas molecules, etc.

Oscillations

restoring force and force constant, Periodic and Simple harmonic motion, Free, forced and damped oscillations, simple pendulum derivation of expression, resonance, etc.

Waves	principle of superposition of waves, speed of travelling wave, Wave motion, reflection of waves, Doppler effect, displacement relation for a progressive wave, Beats, etc.
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NCERT Syllabus for Class 11 Maths 2023

Maths is an integral part of most of the entrance and scholarship exams. Here are the 6 units and 16 chapters of class 11 syllabus of NCERT Maths:

NCERT 11th Class Maths Syllabus

Chapter Name	Topics / Sub-Topics
Sets	Sets and their Representations, Venn Diagrams, Operations on Sets, Union and Intersection of sets, etc.
Relations & Functions	Cartesian Product of Sets, Relations, Functions etc.
Trigonometric Functions	Trigonometric Functions, Angles, Trigonometric Equations
Principle of Mathematical Induction	Principle of Mathematical Induction, Motivation
Complex Numbers and Quadratic Equations	Complex Numbers and its Algebra, Modulus and Conjugate of Complex Number, Quadratic Equations, Argand Plane and Polar Representation

Linear Inequalities	Inequalities, Algebraic and Graphical Solutions of Linear Inequalities, Solution of System of Linear Inequalities
Permutations and Combinations	Fundamental Principle of Counting, Permutations, Combinations
Binomial Theorem	General Term, Binomial Theorem, Middle Term
Sequence and Series	Sequences, Series, AP, GP, Relationship Between A.M. and G.M.,
Straight Lines	General Equation of a Line, Slope of a Line, Distance of a Point From a Line
Conic Sections	Sections of a Cone, Circle, Parabola, Ellipse, Hyperbola
Introduction to Three-dimensional Geometry	Coordinate Axes and Coordinate Planes in 3-D Space, Distance between Two Points, Section Formula
Limits and Derivatives	Limits, Derivatives, Limits of Trigonometric Functions,
Mathematical Reasoning	Statements, New Statements from Old, Validating Statements, Special Words/Phrases
Statistics	Measures of Dispersion, Range, Mean Deviation, Variance and Standard Deviation, Analysis of Frequency Distributions
Probability	Random Experiments, Event, Axiomatic Approach to Probability

NCERT Syllabus for Class 11 Chemistry 2023

Students can check the following table to know the units and they can access the comprehensive Class 11 NCERT syllabus of Chemistry using the link given above.

Units of NCERT 11th Class Chemistry

Some Basic Concepts of Chemistry	Structure of Atom
Classification of Elements and Periodicity in Properties	Chemical Bonding and Molecular Structure
Hydrocarbons	Thermodynamics
Equilibrium	Redox Reactions
Organic Chemistry: Some Basic Principles and Techniques	

NCERT Syllabus for Class 11 Biology 2023

Biology is the major subject for medical students and it creates the foundation of a student by introducing them to basic concepts. Here are unit-wise NCERT syllabus 2023 of Biology:

Unit-wise NCERT CBSE 11th Class Biology Syllabus

Unit no.	Unit Name	Chapters
1	Diversity in Living World	<ul style="list-style-type: none">• Diversity of living organisms• Biological Classification• Plant Kingdom• Animal Kingdom
2	Structural Organisation in Plants and Animals	<ul style="list-style-type: none">• Morphology of Flowering Plants• Anatomy of Flowering Plants• Structural Organisation in Animals
3	Cell: Structure and Function	<ul style="list-style-type: none">• Cell-The Unit of Life• Biomolecules• Cell Cycle and Cell Division

4	Plant Physiology	<ul style="list-style-type: none">• Transport in Plants• Mineral Nutrition• Photosynthesis in Higher Plants• Respiration in Plants• Plant - Growth and Development
5	Human Physiology	<ul style="list-style-type: none">• Digestion and Absorption• Breathing and Exchange of Gases• Body Fluids and Circulation• Excretory Products and Their Elimination• Locomotion and Movement• Neural Control and Coordination• Chemical Coordination and Integration

NCERT Syllabus for Class 11 Hindi 2023

Check the following image to get an overview of Hindi syllabus or visit the given link to download the detailed syllabus.

NCERT 11th class Hindi Syllabus 2023

हिंदी (आधार) (कोड सं. 302) कक्षा -11वीं (2023-24)
परीक्षा हेतु पाठ्यक्रम विनिर्देशन

- प्रश्न-पत्र दो खण्डों - खंड 'अ' और 'ब' में होगा।
- खंड 'अ' में 40 वस्तुपरक प्रश्न पूछे जाएँगे सभी 40 प्रश्नों के उत्तर देने होंगे।
- खंड 'ब' में वर्णनात्मक प्रश्न पूछे जाएँगे। प्रश्नों में उचित आंतरिक विकल्प दिए जाएँगे।

भारत 100

निर्धारित समय 3 घंटे

खंड अ (वस्तुपरक प्रश्न)		भार
विषयवस्तु		भार
1	अपठित बोध (बहुविकल्पिक प्रश्न)	15
अ	01 अपठित गद्यांश पर आधारित 10 बहुविकल्पात्मक प्रश्न (अधिकतम 300 शब्दों का) (01 अंक x 10 प्रश्न)	10
ब	01 अपठित पद्यांश पर आधारित 05 बहुविकल्पात्मक प्रश्न (अधिकतम 150 शब्दों का) (01 अंक x 05 प्रश्न)	05
2	पाठ्यपुस्तक अभिव्यक्ति और माध्यम की इकाई एक से पाठ संख्या 1 तथा 2 पर आधारित	05
	अभिव्यक्ति और माध्यम की इकाई 01 से पाठ संख्या 1 तथा 2 पर आधारित 05 बहुविकल्पात्मक प्रश्न (01 अंक x 05 प्रश्न)	05
3	पाठ्यपुस्तक आरोह भाग - 1 से बहुविकल्पात्मक प्रश्न	10
अ	पठित काव्यांश पर आधारित 05 बहुविकल्पी प्रश्न (01 अंक x 05 प्रश्न)	05
ब	पठित गद्यांश पर आधारित 05 बहुविकल्पी प्रश्न (01 अंक x 05 प्रश्न)	05
4	पूरक पाठ्यपुस्तक वितान भाग-1 से बहुविकल्पात्मक प्रश्न	10
अ	पठित पाठों पर आधारित 10 बहुविकल्पी प्रश्न (01 अंक x 10 प्रश्न)	10
खंड - ब (वर्णनात्मक प्रश्न)		
विषयवस्तु		भार
5	पाठ्यपुस्तक अभिव्यक्ति और माध्यम से सृजनात्मक लेखन और व्यावहारिक लेखन पाठ संख्या 1, 2, 9, 10, 14, 15 तथा 16 पर आधारित	17

1	दिए गए 03 अप्रत्याशित विषयों में से किसी 01 विषय पर आधारित लगभग 120 शब्दों में रचनात्मक लेखन (06 अंक x 01 प्रश्न)	05
2	औपचारिक पत्र लेखन। (विकल्प सहित) (05 अंक x 01 प्रश्न)	05
3	डायरी लेखन, कथा - पटकथा विषयों के लेखन पर आधारित 02 प्रश्न (विकल्प सहित) (लगभग 40 शब्दों में) (02 अंक x 02 प्रश्न)	04
4	स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र तथा शब्दकोश, संदर्भ ग्रंथों की उपयोगी विधि और परिचय पर आधारित 02 में से 01 प्रश्न (लगभग 40 शब्दों में) (02 अंक x 01 प्रश्न)	03
6	पाठ्यपुस्तक आरोह भाग - 1 एवं वितान भाग - 1	23
1	काव्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (03 अंक x 02 प्रश्न)	06
2	काव्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (02 अंक x 02 प्रश्न)	04
3	गद्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (03 अंक x 02 प्रश्न)	06
4	गद्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (02 अंक x 02 प्रश्न)	04
5	वितान के पाठों पर आधारित 02 में से 01 प्रश्न का उत्तर (लगभग 60 शब्दों में) (03 अंक x 01 प्रश्न)	03
7	(अ) श्रवण तथा वाचन	10
	(ब) परियोजना कार्य	10
कुल अंक		100

Read NCERT books for class 11 to prepare for the exams

NCERT Books for Class 11 Chemistry	NCERT Books for Class 11 English
NCERT Book for Class 11 Biology	NCERT Books for Class 11 Physics
NCERT Book for Class 11 Hindi	NCERT Books for Class 11 Maths

Other related links,

- [NCERT Solutions for Class 11](#)
- [NCERT Exemplar Class 11 Solutions](#)

Frequently Asked Question (FAQs) - NCERT Syllabus for Class 11 2023 (All Subjects) - Download Pdf Here

Question: Do I need to study all subjects of class 11 syllabus of NCERT?

Answer:

No, you just need to read only those subjects which are chosen in application form of exams.

Question: What is the difference between CBSE and NCERT syllabus for class 11?

Answer:

NCERT Class 11 syllabus is the foundation syllabus from which CBSE and other state boards derive their syllabus.

Question: What is the advantage of NCERT class 11 syllabus?

Answer:

The main advantage of class 11 syllabus of NCERT is that it prepares the foundation of a student for all the exams.
