

CBSE (NCERT) GRADE 10 - LIST OF VIDEO CLASSES

PCMB

Subject	Number of Videos
Mathematics	174
Physics	72
Chemistry	55
Biology	51
English Grammar	82
Total	434

CBSE GRADE - 10 (MATHAMATICS) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Real Numbers	Euclid's Lemma Introduction
	Exercise 1.1
	Fundamental Theorem of Arithmetic part 1; Exercise 1.2(1,2)
	Exercise 1.2
	Irrational Numbers - Theorem 1.3
	Exercise 1.3
	Revisiting Rational Numbers and their Decimal Expansion
	Theorem 1.7; Exercise 1.4
Polynomials	Introduction
	Geometrical Meaning of the Zeros of a Polynomial
	Types of Polynomials; Exercise 2.1
	Relationship Between Zeros and Coefficients of a Polynomial
	Exercise 2.2
	Division Algorithm for Polynomial Part 1; Exercise 2.2
	Division Algorithm for Polynomial Part 2; Examples
	Exercise 2.3 - Part 1
	Exercise 2.3 - Part 2
	Exercise 2.3 - Part 3
Pair of Linear Equations in 2 Variables	Introduction
	Examples; Exercise 3.1 - Part 1
	Exercise 3.1 - Part 2; Graphical Method of Solution of a Pair of Linear Equation

	Exercise 3.2 - Part 1
	Exercise 3.2 ; Algebraic Methods of Solving a Pair of Linear Equations
	Algebraic Methods of Solving a Pair of Linear Equations Continued...
	Exercise 3.3 - Part 1
	Exercise 3.3 - Part 2
	Exercise 3.4 - Part 1
	Exercise 3.4 - Part 2
	Elimination Method and Exercise 3.4 - Part 3
	Cross Multiplication Method
	Exercise 3.5 - Part 1
	Exercise 3.5 - Part 2
	Exercise 3.5 - Part 3 and Exercise 3.6 - Part 1
	Exercise 3.6 - Part 2
	Exercise 3.6 - Part 3
Quadratic Equations	Introduction
	Exercise 4.1 - Part 1
	Exercise 4.1 - Part 2; Solution of a Quadratic Equation
	Method of Factorization (Exercise 4.2 - Part 1)
	Exercise 4.2 - Part 2
	Exercise 4.3 - Part 1
	Exercise 4.3 (4,5,6)
	Exercise 4.3 (7,8,9)
	Exercise 4.3 (10,11)
	Exercise 4.4 - Part 1 (Nature of Roots)
	Method of Factorization
	Exercise 4.3 (Q 2,3)
Arithmetic Progression	Introduction
	Exercise 5.1 - Part 1
	Exercise 5.1 - Part 2
	Exercise 5.1 - Part 3
	Exercise 5.2 - Part 1
	Exercise 5.2 - Part 2
	Exercise 5.2 - Part 3
	Exercise 5.2 - Part 4
	Exercise 5.2 - Part 5
	Exercise 5.3 - Part 1
	Exercise 5.3 - Part 2

	Exercise 5.3 - Part 3
	Exercise 5.3 - Part 4
	Exercise 5.3 - Part 5
	Exercise 5.3 - Part 6
	Exercise 5.3 - Part 7
	Exercise 5.3 - Part 8
Triangles	Introduction; Exercise 6.1
	Basic Proportionality Theorem and its Converse
	Exercise 6.2 (1,2)
	Exercise 6.2 (3,4,5,6)
	Exercise 6.2 (8,9)
	Exercise 6.3 (1,2,3,5)
	Exercise 6.3 (7,9)
	Exercise 6.3 (14,15,16)
	Area of Similar Triangles; Exercise 6.4 (2,3)
	Exercise 6.4 (4,5)
	Exercise 6.4 (7,8,9)
	Pythagoras Theorem; Exercise 6.5 (1,6,7)
	Exercise 6.5 (8,10,11)
	Exercise 6.5 (12,13,14,15,16)
	Criteria for Similarity of Triangles
	Exercise 6.4 (1,6)
	Pythagoras Theorem; Exercise 6.5 (2,3,4,5)
Coordinate Geometry	Introduction
	Section Formula; Examples
	Examples for Section Formula
	Exercise 7.1 (1,2,3)
	Exercise 7.1 (4,6)
	Exercise 7.1 (6,7)
	Exercise 7.1 (8,9,10)
	Exercise 7.2 (1,2,4)
	Exercise 7.2 (5,6,7)
	Exercise 7.2 (8,9,10)
	Area of a Triangle
	Example for Section Formula; Exercise 7.3 (1,2)
	Exercise 7.3 (3,4,5)
Introduction to Trigonometry	Introduction
	Exercise 8.1 (1,2,3,4,5)
	Exercise 8.1 (6,7,8,9,10,11)

	Trigonometric Ratios of Some Specific Angles
	Trigonometric Ratios of Some Specific Angles (Continued...)
	Trigonometric Ratios of Complementary Angles
	Exercise 8.4 (1 to 4)
	Exercise 8.4 (5 Trick to Remember the Trigonometric Ratios)
Some Applications of Trigonometry	Introduction
	Exercise 9.1 (2,3,4,5)
	Exercise 9.1 (6,7,8)
	Exercise 9.1 (9,10,11)
	Exercise 9.1 (12,13,14)
	Exercise 9.1 (15,16)
Circles	Introduction
	Exercise 10.2 (1,2,,3,4)
	Exercise 10.2 (5,6,7,8)
	Exercise 10.2 (10,12,13)
Constructions	Introduction
	Exercise 11.1 (1)
	Exercise 11.1 (2,3)
	Exercise 11.1 (4)
	Exercise 11.1 (5,6,7)
	Exercise 11.2 (1,2)
	Exercise 11.2 (3,4,5)
Area Related to Circles	Introduction; Exercise 12.1 (1,2)
	Exercise 12.1 (3,4,5)
	Sector and Segment of a Circle
	Exercise 12.2 (1,2,3)
	Exercise 12.2 (4)
	Exercise 12.2 (5,6)
	Exercise 12.2 (7,8)
	Exercise 12.2 (9,10)
	Exercise 12.2 (11,12,13,14)
	Area of Combination of Plane Figures; Example 4
	Exercise 12.3 (1,2,3)
	Exercise 12.3 (4,5,7)
	Exercise 12.3 (8)
	Exercise 12.3 (9,10)
	Exercise 12.3 (11,12,13)
Exercise 12.3 (14,15,16)	
Surface Areas and Volumes	Introduction

	Example 3
	Example 4; Exercise 13.1 (1,2)
	Exercise 13.1 (3,4,5)
	Exercise 13.1 (6,7)
	Exercise 13.1 (8,9)
	Volume of Combination of Solids ; Exercise 13.2 (1)
	Exercise 13.2 (2,3)
	Exercise 13.2 (4,5)
	Exercise 13.2 (6,7)
	Exercise 13.2 (8)
	Conversion of Solids (Example 1)
	Exercise 13.3 (1,2,3)
	Exercise 13.3 (4,5)
	Exercise 13.3 (6,7)
	Exercise 13.3 (8,9)
	Exercise 13,4 (1,2)
	Exercise 13,4 (3,5)
Statistics	Introduction
	Example to Find Mean
	Example 2; Exercise 14.1 (1)
	Exercise 14.1 (2,3,4)
	Exercise 14.1 (5,6)
	Exercise 14.1 (7,8)
	Exercise 14.1 (9) ; Mode of Grouped Data
	Exercise 14.2 (2,3,4,5)
	Exercise 14.2 (6); Mean of Grouped Data; Exercise 14.3(1)
	Exercise 14.3 (2,3,4,5)
	Exercise 14.3 (6,7); Graphical Representation of Cumulative Frequency distribution
	Exercise 14.4 (1,2,3)
Probability	Introduction
	Example 2,3,4
	Example 5,6,8,9
	Exercise 15.1 (1,2)
	Exercise 15.1 (3,4,5,6,7,8)
	Exercise 15.1 (9,10,11,12,13)
	Exercise 15.1 (14,15,17)
	Exercise 15.1 (18,19,20,21)
	Exercise 15.1 (22,24,25)

CBSE GRADE - 10 (PHYSICS) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Light - Reflection and Refraction	Introduction
	Convex and Concave Mirrors
	Rules of Ray Diagram in Spherical Mirrors
	Mirror Formula and Magnification; Refraction
	Refraction in Lens
	Solved Numerical - Part 1
	Solved Numerical - Part 2
	Exercise - 1, 2
	Exercise - 3,4,5,6
	Exercise - 7
	Exercise - 8
	Exercise - 9
	Exercise - 11
	Exercise - 12
	Exercise - 13
	Exercise 14 - Part 1
	Exercise 14 - Part 2
	Mind Map - Part 1
	Mind Map - Part 2
	Mind Map - Part 3
Mind Map - Part 4	
Human Eye and Colourful World	Introduction - Part 1
	Introduction - Part 2
	Cross Section of Eye - Part 1
	Cross Section of Eye - Part 2
	Power of Accommodation
	Power of Accommodation Continued...
	Accommodation for Far Objects
	Defects of Vision and Corrections - Part 1
	Defects of Vision and Corrections - Part 2
	Defects of Vision and Corrections - Part 3
	Solution for Questions on Page no 190
	Refraction of Light Through a Prism - Part 1
	Refraction of Light Through a Prism - Part 2
	Natural Frequency; Types of Rainbows
	Atmospheric Refraction

	Advanced Sunrise and Delayed Sunset
	Scattering of Light - Part 1
	Scattering of Light - Part 2
	Scattering of Light - Part 3
	Exercise Questions (1-7)
	Exercise Questions (8 to 10)
	Mind Map
Electricity	Introduction
	Electric Current and Circuit
	Exercise 12.1
	Electric Potential and Potential Difference; Exercise 12.2, 12.3 Circuit Diagram
	Ohm's Law; Electrical Resistance
	Example 12.3,12.4,12.5
	Example 12.6; Activity 12.4
	Resistors in Series; Activity 12.5, 12.7
Magnetic Effects of Electric Current	Introduction
	Activity 13.3, 13.4
	Activity 13.5, 13.7
	Electric Motor - Introduction
	Electric Motor - Working
	Introduction to Electromagnetic Induction
	Electric Generator
	Domestic Electric Circuits
	Mind Map
Sources of Energy	Introduction
	Characteristics of a Good Fuel
	Conventional Sources of Energy
	Harnessing Various Sources of Energy
	Technological Advancements - Part 1
	Technological Advancements - Part 2
	Solar Energy
	Solar Energy Conversion
	Energy from Sea
	Geothermal Energy and Nuclear Energy
	Recapitulation - Part 1
	Recapitulation - Part 2

CBSE GRADE - 10 (CHEMISTRY) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Chemical Reactions	Introduction
	Types of Reactions - Part 1
	Types of Reactions - Part 2
	Exercise Questions; Oxidation Reduction
	Exercise Questions
	Recap of Types of Chemical Reactions
Acids, Bases and Salts	Introduction
	Chemical Properties of Acids and Bases - Part 1
	Chemical Properties of Acids and Bases - Part 2
	What Happens to Acid or Base in Water Solution
	Textbook Problems
	Textbook Problems Page no 25
	How Strong are Acid or Base Solutions?
	Importance of pH -1
	Importance of pH -2
	Naturally Occurring Salts; Family of Salts
	pH of Salts and Family of Salts
	Chemicals from Common Salt - Part 1
	Chemicals from Common Salt - Part 2
Metals and Non-Metals	Metallurgy
	Metals react with Non-Metals
	Properties of Ionic Compounds and Corrosion
	Preventing Corrosion; Refining of Metal
	Chemical Properties of Metals
	Physical Properties of Metals and Non-Metals
	Solved Exercises
	Solved Exercises - 2
	Solved Exercises - 3
Carbon and Its Compounds	Introduction
	Allotropes of Carbon and Catenation
	Saturated and Unsaturated Compounds
	Structure of Carbon Compounds: Chains, Branches & Rings - Part 1
	Nomenclature - Part 1
	Nomenclature - Part 2
	Solved Questions
	Questions on Page 69; Chemical Properties of Carbon Compounds

	Lewis Dot Structures
	Some Carbon Compounds
	Soaps and Detergents
Periodic Classification of Elements	Introduction
	Newland's Law of Octaves
	Mendeleev's Periodic Table - Part 1
	Mendeleev's Periodic Table - Part 2
	Merits and Demerits of Mendeleev's Periodic Table
	Position of Elements in Periodic Table
	Trends in Periodic Table - Part 1
	Trends in Periodic Table - Part 2
	The Modern Periodic Table; Exercise Questions
	Exercise Questions
	Exercise Questions
	Solved Questions - Part 1
	Solved Questions - Part 2
	Solved Questions - Part 3
	Trends in Periodic Table - Part 3
Trends in Periodic Table - Part 4	

CBSE GRADE - 10 (BIOLOGY) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Life Processes	Life Processes
	Autotrophic and Heterotrophic Nutrition
	Nutrition in Human Beings
	Respiration
	Transportation in Human Beings
	Lymph; Transportation In Plants
	Excretion
Control and Coordination	Introduction
	Reflex Action
	Nervous System and Human Brain
	Human Brain; Coordination in Plants
How do Organisms Reproduce	Introduction
	Modes of Reproduction
	Binary Fission and Budding
	Vegetative Propagation; Spore Formation; Asexual and Sexual Reproduction

	DNA Copying; Sexual Reproduction in Flowering Plants
	Sexual Reproduction in Flowering Plants
	Sexual Reproduction in Human Beings
	Male and Female Reproductive System
	Reproductive Health
Heredity and Evolution	Introduction
	Mendel's Contribution
	How Do These Get Expressed?
	Sex Determination; Questions on Page 147
	Variations in a Population
	Acquired and Inherited Traits - Part 1
	Acquired and Inherited Traits - Part 2; Solved Questions
	Speciation; Questions Page 151
	Evolution and Classification
	Tracing Evolutionary Relationships
	Tracing Evolutionary Relationships; Fossils
	Evolution by Stages
	Evolution Should not be Equated with Progress
	Text Book Questions Page no.156 and 158
Our Environment	Introduction
	Ecosystem
	Living Organisms
	Food Chains and Webs
	Food Chains and Webs; Biomagnification; Solved Questions
	How do our Activities Affect the Environment?
Management of Natural Resources	Introduction
	Ganga Action Plan; 3 R's
	Other Management Techniques
	Why Do We Need To Manage Natural Resources? Solved Exercises
	Forest and Wildlife - Part 1
	Forest and Wildlife - Part 2
	Forests and Wildlife Sustainable Management
	Sustainable Management
	Water for All - Part 1
	Water for All - Part 2
	Fossil Fuels

ENGLISH GRAMMAR (COMPLIMENTARY) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Alphabet	Vowels and Consonants
Parts of Speech	Parts of Speech
	Nouns
	Pronouns
	Adjectives
	Verbs
	Adverbs - 1
	Adverbs - 2
	Proposition - 1
	Preposition - 2
	Conjunctions
Types of Nouns	Introduction to Nouns and Proper Nouns
	Common Noun and Collective Noun
	Countable and Uncountable Nouns - Part 1
	Countable and Uncountable Nouns - Part 2
	Concrete and Abstract Nouns
Noun Gender	Noun Gender
	Neuter Gender
Noun Cases	Noun Cases
	Objective Case / Accusative Case
	Possessive Case
	Vocative Case
Noun Number	Noun Number - Singular - Plural Rules 1,2,3,4
	Noun Number - Singular - Plural Rules 1,2,3,4
	Noun Number - Singular - Plural Rules 11,12
Compound Nouns	Compound Nouns - Part 1
	Compound Nouns - Part 2
	Compound Nouns - Part 3
Articles	Articles - 1
	Articles - 2
	Definite Article "THE" - Part 1
	Definite Article "THE" - Part 2
Verb	Verb-1
	Verb-2
	Verb-3
	Subject Verb Agreement -1

Subject Verb Agreement	Subject Verb Agreement -2
Pronouns	Pronouns - Personal Pronouns
	Personal Pronouns as Subject and Object
	Relative Pronoun - Demonstrative Pronoun
	Indefinite Pronouns - 1
	Indefinite Pronouns - 2
	Reflexive Pronouns
Tenses	Tenses
	Present Tense - 1
	Present Tense - 2
	Past Tense - 1
	Past Tense - 2
	Future Tense
Figures of Speech	Figures of Speech - 1
	Figures of Speech - 2
	Figures of Speech - 3
	Figures of Speech - 4
Nouns	Proper Noun and Common Noun
	Types of Nouns
Adjectives	Adjectives - 1
	Adjectives - 2
	Adjectives - 3
	Types of Adjectives -1
	Types of Adjectives -2
Articles	Indefinite Articles
	Definite Articles
Auxiliary Verbs	Auxiliary Verbs -1
	Auxiliary Verbs -2
	Auxiliary Verbs - 3
Sentences	The Sentence - Part 1
	The Sentence - Part 2
	Types of Sentences - Part 1
	Types of Sentences - Part 2
Phrases and Clauses	Types of Phrases
	Types of Clauses
Idioms	Idioms - Part 1
	Idioms - Part 2
	Idioms - Part 3

	Idioms - Part 4
	Idioms - Part 5
Question tags	Question tags
Parts of a Sentence	Parts of a Sentence -1
	Parts of a Sentence -2
Pronouns	Interrogative Pronoun
	Possessive Pronoun
Verbs	Main verbs; Auxiliary verbs

*English Grammar is being offered as Complimentary along with Annual Pack