

CBSE (NCERT) GRADE 12 - LIST OF VIDEO CLASSES

PCMC

Subject	Number of Videos
Mathematics	216
Physics	165
Chemistry	183
Computer Science	TBD
English Grammar	82
Total	TBD

CBSE GRADE - 12 (MATHAMATICS) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Relations and Functions	Equivalence Relation
	Equivalence Relation - Problems
	Types of Functions
	Composite Functions. Exercise. 1.3 [3(ii), 4]
	Invertible Function, How to Find the Value of Inverse, Exercise.1.3 [5]
	Exercise. 1.3 [8, 11,13]
	Exercise. 1.3 [14], Binary Operations; Exercise. 1.4 [1(i, iii), 2, 9(ii)]
	Exercise. 1.4 [9(i, v), 11]; Identity Element
	Exercise 1.1 (2,3,4,5)
	Exercise 1.1 (6,7,9i,9ii)
	Exercise 1.1 [10 (i,ii,iii,iv,v), 15,16]
	Exercise1.4 [6(i,ii,iii,iv,v),7,8,12(i,ii),13]
Inverse Trigonometric Functions	Introduction, Properties; Exercise. 2.1 [2, 3, 4]
	Exercise. 2.2 [1, 2, 3, 4, 5]
	Exercise. 2.2 [6, 7, 8, 9, 10]
	Exercise. 2.2 [11, 12, 13, 14, 15, 16]
	Exercise. 2.2 [17, 18, 19, 20, 21]
	Miscellaneous Exercise. [3, 4, 5, 8]
	Exercise 2.1 (1,5,6,7,8,9,10,11,12,13)
Matrices	Introduction, Types of Matrices, Operations on Matrices.
	Transpose of a Matrix, Results of Transpose of a Matrix, Exercise. 3.1 [1, 2]
	Exercise. 3.1 [4, 5]
	Exercise 3.1 [6, 7, 9]

	Exercise 3.2 [1(i, ii, iii, iv, v), 2(i, ii, iii, iv), 3(i, ii, iii)]
	Exercise. 3.2 [3 (iv, v, vi), 4, 5]
	Exercise. 3.2 [6, 7 (i, ii), 8, 9]
	Exercise. 3.2 [10, 11, 12,13]
	Exercise. 3.2 [14(i, ii)]
	Exercise. 3.2 15, 16
	Exercise. 3.2 17, 18
	Exercise. 3.3 [1(i, ii, iii), 2(i, ii), 3(i, ii) , 4]
	Exercise 3.3 [5 (i, ii), 6(i, ii)]; Concept of Symmetric and Skew Symmetric Matrix
	Exercise 3.3 [8(i, ii), 9, 12, 10(i)]
	Exercise 3.3 [10 (iv)]; ex 3.4 [1]
	Exercise 3.4 [2, 3, 4, 5,6]
	Exercise 3.4 [7, 8, 9, 10, 11]
	Exercise. 3.4 [12, 13, 14, 15]
Determinants	Introduction To Determinants; Exercise 4.1 [1, 2(i, ii), 3, 4]
	Exercise 4.1 [5 (i,ii,iii,iv) , 6, 7 (i,ii), 8]
	Properties of Determinants; Exercise 4.2(1)
	Exercise 4.2(2 TO 5)
	Exercise 4.2[6,7,8 (i,ii)]
	Exercise 4.2[9,10(i,ii),11(i)]
	Exercise 4.2[11(ii),12,13,14]
	Area of triangle and Collinearity; Exercise 4.3 [1-(i,ii,iii),2,3(i,ii)] ; Equation of line joining given two points
	Exercise 4.3 [4(i,ii),5];Minors and Cofactors; Exercise 4.4 [1(i,ii),2(i),3,4]
	Adjoint of Matrix; Exercise 4.5 (1,2,3,4)
	Exercise 4.5 (5 to 10)
	Exercise 4.5 (11 to 14)
	Exercise 4.5 (15,16)
	Consistency of system of equations; Exercise 4.6 (1,2,3,4,5,6)
	Exercise 4.6 (7,8,9,10,11)
	Exercise 4.6 (12,13,14)
	Exercise 4.6 (15); Miscellaneous Exercise (16)
Continuity and Differentiability	Introduction; Properties of Continuity
	Exercise 5.1 (3-d,4,5,6,7)
	Exercise 5.1 (8 to 13)
	Exercise 5.1 (14 to 18, 20)
	Exercise 5.1 (21 a,b,c)
	Exercise 5.1 (22,23,24)

	Differentiability; Exercise 5.3 (1 to 10)
	Exercise 5.3 (11,13,14,15); Exercise 5.4 (1 to 10)
	Exercise 5.5 (1 to 4)
	Exercise 5.5 (5 to 8)
	Exercise 5.5 (9 to 13)
	Exercise 5.5 (14,15,16,17a)
	Exercise 5.6 (1 to 7)
	Exercise 5.6 (8 to 11); Exercise 5.7 (1 to 5)
	Exercise 5.7 (6 to 11)
	Exercise 5.7 (13 to 17)
	Rolle's theorem; Exercise 5.8 (1 to 4)
	Exercise 5.1 (26 to 30)
	Exercise 5.2 (1 to 9)
Application of Derivatives	Application of Derivatives; Rate of Change of Quantities; Exercise 6.1 (1 to 4)
	Exercise 6.1 (5 to 9)
	Exercise 6.1 (10 to 18)
	Increasing and Decreasing Functions; Theorem 1; Exercise 6.2 (1 to 5)
	Exercise 6.2 (7,6)
	Exercise 6.2 (9,10 ,13 to 16) (17 to 19)
	Tangents & Normals; Exercise 6.3 (1 to 5)
	Exercise 6.3 (7 to 11)
	Exercise 6.3 (13,14)
	Exercise 6.3 (15 to 17)
	Exercise 6.3 (18 to 21)
	Exercise 6.3 (22 to 26)
	Exercise 6.4 [1 - (i to v)]
	Exercise 6.4 [1 - (vi to xii)]
	Exercise 6.4 [1 - (vi to xii),2,3]
	Exercise 6.4 (4,5,6,7,8)
	Exercise 6.4 (9); Exercise 6.5 [1-(a,b,c,d)]
	Exercise 6.5 [2 - (i to v)]
	Exercise 6.5 [3 - (i to iv)]
	Exercise 6.5 [3 - (v to viii)]
	Exercise 6.5 [4- (a,b,c),5-(a,b,c)]
	Exercise 6.5 (5,6,7)
	Exercise 6.5 (8,9,11)
	Exercise 6.5 (12 to 14)
	Exercise 6.5 (15 to 17)

	Exercise 6.5 (19 to 20)
	Exercise 6.5 (21,22)
	Exercise 6.5 (23)
	Exercise 6.5 (24,25)
	Exercise 6.5 (27,28,29)
Integrals	Integrals; Exercise 7.1 (1 to 7)
	Exercise 7.1 (8,9,12,13,14,15)
	Exercise 7.1 (16 to 21)
	Exercise 7.1 (22); Exercise 7.2 (1 to 5)
	Exercise 7.2 (6 to 10)
	Exercise 7.2 (11 to 17)
	Exercise 7.2 (18,21 to 26)
	Exercise 7.2 (27 to 33)
	Exercise 7.2 (34 to 39); Exercise 7.3 (1,2)
	Exercise 7.3 (3,5,6)
	Exercise 7.3 (7 to 10)
	Exercise 7.3 (11 to 13)
	Exercise 7.3 (14 to 18)
	Exercise 7.3 (20,21)
	Exercise 7.3 (22 to 24); Exercise 7.4(1)
	Exercise 7.4 (2,4,5,6)
	Exercise 7.4 (7 to 11)
	Exercise 7.4 (12 to 14)
	Exercise 7.4 (15 to 17)
	Exercise 7.4 (18)
	Exercise 7.4 (19,20)
	Exercise 7.4 (21,22)
	Exercise 7.4(23 to 25)
	Exercise 7.5 (1 to 3)
	Exercise 7.5 (4,5)
	Exercise 7.5 (9,10)
	Exercise 7.5 (11,12)
	Exercise 7.5 (13 to 15)
	Exercise 7.5 (16 to 18)
	Exercise 7.5 (20 to 23)
	Exercise 7.6 (1 to 5)
	Exercise 7.6 (6 to 9)
	Exercise 7.6 (10 to 14)
	Exercise 7.6 (15 to 21)

	Exercise 7.6 (22 to 24); Exercise 7.7 (1,2)
	Exercise 7.7 (3,4,5,6)
	Exercise 7.7 (7 to 11)
	Definite Integrals; Exercise 7.8(1,2)
	Exercise 7.8(4)
	Exercise 7.8(5,6)
	Exercise 7.9(1 to 8)
	Exercise 7.9(15 to 18)
	Exercise 7.9(19,21,22); Exercise 7.10(1)
	Exercise 7.10(2,3)
	Exercise 7.10(4,5,7,8)
	Exercise 7.11(2,3,4,5)
	Exercise 7.11(7,8,9,10)
	Exercise 7.11(15,17,18,19,20,21)
Application of Integrals	Introduction
	Exercise 8.1(1,2,3)
	Exercise 8.1(8,9,10)
	Exercise 8.1(11,12,13); Exercise 8.2(1)
	Exercise 8.2(2,3)
	Exercise 8.2(4,6,7)
Differential Equations	Introduction
	Exercise 9.4(11)
	Exercise 9.4(12,13,14,16)
	Exercise 9.2(1,2,3,4,5,6)
	Exercise 9.2(7,8,9,10,11,12)
	Exercise 9.3(1,2,5,10,11,12)
	Exercise 9.4(1,2,3,4,5,6,7,9)
	Exercise 9.4(17,18,19)
	Exercise 9.4(22,23); Exercise 9.5(1)
	Exercise 9.5(2,3,4)
	Exercise 9.5(5,6,7)
	Exercise 9.5(8,9,10)
	Exercise 9.5(12,17)
	Exercise 9.6(1,2,3,5)
	Exercise 9.6(6,7,8,10)
	Exercise 9.6(11,12,13,14,15)
	Exercise 9.6(16,17,18,19)
Vector Algebra	Introduction
	Exercise 10.2 (2,3,4,6,7,9,10)

	Exercise 10.2 (12 to 18)
	Exercise 10.3 (1 to 7)
	Exercise 10.3 (8 to 15)
	Exercise 10.3 (18); Exercise 10.4 (1,2,3,5);
	Exercise 10.4 (6,7,9,10,11,12)
Three-Dimensional Geometry	Introduction
	Exercise 11.1(1,2,3,4)
	Exercise 11.1(5); Exercises 11.2(1,2,3,4)
	Exercise 11.2(6,7,12)
	Exercise 11.2(13,14,15)
	Exercise 11.2(16,17); Exercise 11.3(1)
	Exercise 11.3(3,4,7)
	Exercise 11.3(8,9,10)
	Exercise 11.3(11,12,13)
	Exercise 11.3 [14(a,b,c,d)]
Linear Programming	Introduction
	Exercise 12.1(4,5)
	Exercise 12.1(6,7)
	Exercise 12.2(1,2)
	Exercise 12.2(3,4)
	Exercise 12.2(5)
	Exercise 12.2(6,7)
	Exercise 12.2(8)
	Exercise 12.2(9,11)
Probability	Introduction
	Exercise 13.1(1 to 5)
	Exercise 13.1[6(i,ii)]
	Exercise 13.1[6(iii),8,9]
	Exercise 13.1(10,11)
	Exercise 13.1(12,14,15); Exercise 13.2(1,2)
	Exercise 13.2(3,5,8,11)
	Exercise 13.2(10,16)
	Exercise 13.2(6,7,9,12,15)
	Exercise 13.3(1,3,4)
	Exercise 13.3(5,6,7)
	Exercise 13.3(8,9,10,11)
	Exercise 13.3(12,13); Exercise 13.4(1,2,3)
	Exercise 13.4(4,6)
	Exercise 13.4(9,11,14)

	Exercise 13.5(1,9,12,13)
--	--------------------------

CBSE GRADE - 12 (PHYSICS) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Electric Charges and Fields	Basic Properties of Charges
	Electric Charges and Fields
	Coulomb's Law
	Force Between Multiple Charges
	Electric Field; Dipole
	Solved Problems
Electrostatic Potential and Capacitance	Introduction
	Electrostatics of Conductors
	Dielectric
	Capacitor and Capacitance; Parallel Plate Conductors
	Effect of Dielectric; Combination of Capacitors
	Energy Stored in a Capacitor
Current Electricity	Solved Problems
	Introduction
	Limitations of Ohm's Law; Resistivity of Various Materials
	Temperature and Resistivity; Combination of Resistors
	Electrical Energy; Power; Cells; EMF; Internal Resistance
	Cells in Series; Kirchoff's Rule
	Wheatstone Bridge; Solved Problems
Potentiometer	
Moving Charges and Magnetism	Introduction
	Biot Savart Law - Direction of Magnetic Field
	Magnetic Field in the Axis of Circular Loop
	Ampere Circuital Law
	Cyclotron
	Circular Motion, Solenoid and Toroid
	Magnetic Field Between 2 Wires Carrying Current
	Torque on Current Loop, Magnetic Dipole
	Magnetic Moment, Circular Current Loop as a Magnetic Dipole
	The Moving Coil Galvanometer, Sensitivity
Magnetism and Matter	Magnetism and Matter; Properties of Magnetic Field Lines
	Bar Magnet as a Equivalent Solenoid
	The Dipole in a Uniform Magnetic Field ; Magnetism and Gauss's Law

	The Earth's Magnetic Field , Magnetization, Magnetic Intensity - Part 1
	Magnetization and Magnetic Intensity; Magnetic Properties of Materials - Part 2
	Paramagnetism; Ferromagnetism
	Relationship between B & H in Ferromagnetic Material; Permanent Magnets & Electromagnets
Electromagnetic Induction	Introduction
	Electromagnetic Induction; Experiment 6.3; Magnetic Flux
	Faraday's Law of Electromagnetic Induction; Lenz's Law of Conservation of energy
	Motional Electromotive Force
	Energy Consideration; Eddy Currents - Part 1
	Eddy Currents - Part 2; Magnetic Braking; EM Damping; Induction Furnace; Electric Meter
	Inductance
	Mutual Inductance
	Self Inductance
	Self Inductance Plays Role of Inertia
	AC Generator
Alternating Current	Introduction
	Effective Current and Effective Voltage ;AC Voltage Source Connected across a Resistor
	Representation of AC Current and Voltage by Rotating Vectors
	AC Voltage Applied to an Inductor
	Activity to Understand the AC Voltage is Connected to an Inductor
	AC Voltage Source Connected across a Capacitor
	AC Voltage Source Connected to a Series LCR
	Disadvantages of Phasor Method; Analytical Solution
	Resonance
	Sharpness of Resonance
	Power in an AC Circuit
	LC Oscillations
	Analogies between Mechanical & Electrical Quantities
	Transformers - Part 1
	Transformers - Part 2
Electromagnetic Waves	Introduction
	Displacement Current; Electromagnetic Waves

	Properties of Electromagnetic Waves; Electromagnetic Spectrum - Part 1
	Electromagnetic Spectrum - Part 2
	Electromagnetic Spectrum - Part 3
Ray Optics and Optical Instruments	Introduction
	Spherical Mirrors
	Focal Length
	Mirror Equation; Linear Magnification
	Refraction
	Lateral Shift
	Atmospheric Refraction; Total Internal Reflection
	Mirage; Diamond Prism; Optical Fibres
	Refraction by a Lens
	The lens Makers Formula; Power of Lens; Combination of Thin Lenses in Contact
	Refraction through a Prism
	Dispersion
	Rainbow formation; Scattering of Light
	Human Eye
	Eye Defects
	Microscope
	Compound Microscope
	Reflection Telescope
Wave Optics	Introduction
	Huygens Principle; Refraction of Plane Wave
	Refraction at a Rarer Medium; Coherent and Incoherent Addition of Waves - Part 1
	Constructive and Destructive Overlap
	Coherent and Incoherent Addition of Waves - Part 2; Doppler's Effect
	Young's Double Slit Experiment
	Path Difference; Fringe Width
	Sustained Interference; Diffraction
	Maxima; Secondary Maxima; Comparison between Diffraction and Interference
	Resolving Power in Optical Instruments ; Diffraction in Resolving Power of Telescope - Part 1
	Diffraction in Resolving Power of Telescope - Part 2; Validity of Wave Optics
	Polarised Wave and Unpolarised Wave ; Polarisation
	Polarisation by Polaroid

Dual Nature of Radiation and Matter	Introduction
	Electron Emission; Types of Electron Emission
	Photoelectric Effect - Part 1
	Photoelectric Effect - Part 2
	Experimental Observation of Photoelectric Effect - Part 1
	Experimental Observation of Photoelectric Effect - Part 2; Photoelectric Effect and Wave Theory of Light
	Einstein's Photoelectric Equation - Part 1
	Einstein's Photoelectric Equation - Part 2
	Photon Picture of Radiation; Wave Nature of Matter - De Broglie's Hypothesis
	Heisenberg's Uncertainty Principle; Davisson - Germer Experiment
Atoms	Introduction
Atoms	Rutherford's Nuclear Model of Atom
Atoms	Drawbacks of Rutherford's Model; Atomic Spectra - Part 1
Atoms	Atomic Spectra - Part 2; Types of Spectrums
Atoms	Spectral Series - Part 1
Atoms	Spectral Series - Part 2; Bohr's Model of Hydrogen Atom; Bohr's Radius
Atoms	Energy of Orbits; Drawbacks of Bohr's Model; De Broglie's Hypothesis
Nuclei	Introduction
Nuclei	Nuclide; Einstein's Mass Energy Equivalence
Nuclei	Nuclear Binding Energy per Nucleon
Nuclei	Nuclear Force; Radioactivity
Nuclei	Experiment of Radioactive ;Radioactive Nuclides; Radioactive Decay
Nuclei	Law of Radioactive Decay ; Generalised Expression for Law of Radioactive Decay
Nuclei	Decay Rate ; Mean Life of Radioactive Sample
Nuclei	Alpha Decay; Beta Decay
Nuclei	Gamma Decay ; Comparison between Alpha , Beta and Gamma Decay
Nuclei	Nuclear Energy ; Types of Nuclear Fission Reactions
Nuclei	Nuclear Reactor - Part 1
Nuclei	Nuclear Reactor - Part 2
Semiconductor Electronics; Materials, Devices and Simple Circuits	Introduction
	Classification of Metals, Conductors and Semiconductors - On the Basis of Conductivity
	Classification of Metals, Conductors and Semiconductors - On the Basis of Energy Bands - Part 1

	Classification of Metals, Conductors and Semiconductors - On the Basis of Energy Bands - Part 2; Intrinsic Semiconductor
	P-n Junction - Part 1
	P-n Junction - Part 2
	Intrinsic and Extrinsic Semiconductors
	n- type Semiconductor ; P- type Semiconductor
	Energy Band Diagram of n- type Semiconductor & P- type Semiconductor ; Semiconductor Diode
	Semiconductor Diode - Forward Bias
	Semiconductor Diode - Reverse Bias
	V-I Characteristics of Diode; Half Wave Rectifier; Full Wave Rectifier
	Filters; Zener Diode - Part 1
	Zener Diode - Part 2
	Zener Diode as a Voltage Regulator
	Opto Electronic Devices - Part 1
	Opto Electronic Devices - Part 2
	Opto Electronic Devices - Part 3; Digital Electronics
	Logic Gates
	Junction Transistor ; Pnp Transistor - Part 1
	Pnp Transistor - Part 2; Common Emitter Transistor Characteristics - Part 1
	Common Emitter Transistor Characteristics - Part 2
	Input Resistance; Output Resistance ; Current Amplification Factor ; Transistor as a Device
	Transistor as a Switch - Part 1
	Transistor as a Switch - Part 2; Transistor as an Amplifier
	Feedback Amplifier and Transistor Oscillator
Communication Systems	Introduction
	Elements in the Communication System ; Modulation
	Bandwidth of Signals ; Bandwidth of Transmission Medium
	Data Representation of Signals
	Attenuation; Amplification ; Range ; Bandwidth
	Propagation of Waves; Different Layers of Atmosphere - Part 1
	Different Layers of Atmosphere - Part 2
	Modulation- Part 1
	Modulation- Part 2 ; Amplitude Modulation - Part 1
	Amplitude Modulation - Part 2; Production of Amplitude Modulated Wave- Part 1

Production of Amplitude Modulated Wave- Part 2; Transmitting Antenna and Receiving Antenna

CBSE GRADE - 12 (CHEMISTRY) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAME
Solid State	Introduction
	Classification of Solids
	Types of Crystalline Solids - Part 1
	Types of Crystalline Solids - Part 2
	Crystal Lattices / Unit Cells
	Types of Unit Cells
	Crystal Systems
	Number of Atoms in Unit Cells - Part 1
	Number of Atoms in Unit Cells - Part 2
	Closed Packed Structures
	3-Dimensional Close Packing
	Formula of a Compound and Number of Voids Filled
	Example 1.2
	Locating Tetrahedral Void
	Packing Efficiency in HCP and CCP
	Packing Efficiency in Body Centered Cubic Structures
	Packing Efficiency in Simple Cubic Lattice; Calculations
	Imperfections in Solids - Part 1
	Imperfections in Solids - Part 2
	Electrical Properties
	Conduction of Electricity in Semiconductors
	Applications of n-Type and p-Type Conductors
	Classification of Solids
Solutions	Introduction
	Expressing Concentration of Solutions - Part 1
	Expressing Concentration of Solutions - Part 2
	Examples; Solubility - Part 1
	Solubility - Part 2
	In Text Questions 2.5, 2.6 and 2.7
	Vapour Pressure of Solutions
	In Text Questions
	Vapour Pressure of Solutions of Solids in Liquids; Ideal Solutions
	Non-Ideal Solutions; Azeotropes

	Colligative Properties and Determination of Molar Mass
	Elevation of Boiling Point
	Depression of Freezing Point
	Osmosis, Reverse Osmosis, Abnormal Molar Mass
	Van't Hoff Factor and Solved Problems
Electrochemistry	Introduction
	Voltaic Cell
	Measurement of Electrode Potential
	Equilibrium Constant from Nernst Equation
	Conductance of Electrolytic Solutions
	Law of Independent Migration of Ions; Electrolysis
	Products of Electrolysis
Chemical Kinetics	Rate of Chemical Reactions
	Average and Instantaneous Rate
	Reactions - Different Stoichiometry Coefficients
	Rate Law Expressions - Part 1
	Rate Law Expressions - Part 2
	Unimolecular and Complex Reactions
	Molecularity of a Reaction
	Integrated Rate Equations - Part 1
	Integrated Rate Equations - Part 2
	Integrated Rate Equations - Part 3
	Problem Solving - 1
	Effect of Temperature on the Rate of a Reaction - Part 1
	Effect of Temperature on the Rate of a Reaction - Part 2
	Arrhenius Equation
	Effect of Catalyst, Collision Theory
	Collision Theory - Part 2
Surface Chemistry	Introduction
	Distinction Between Adsorption and Absorption
	Types of Adsorption
	Adsorption Isotherms
	Applications of Adsorption and Catalysts
	Mechanism of Enzyme catalysis, Catalysis in Industry
	Adsorption theory of Heterogeneous catalysis; Features of Solid catalyst - Part 1
	Features of Solid catalyst - Part 2; Shape Selective Catalysis, Enzyme catalysis
	Colloids; Types of Colloids; Classification of Colloids - Part 1
	Classification of Colloids - Part 2

	Preparation of Colloids & Purification of Colloids
	Properties of Colloids - Part 1
	Properties of Colloids - Part 2
	Emulsions; Colloids around us; Application & Uses of Colloids
General Principles and Processes of Isolation of Elements	Occurrence of Metals; Concentration of Ores
	Extraction of Crude metal from Concentrated ore; Thermodynamic Principles of Metallurgy
	Extraction of Iron from its Oxides & Copper from its Oxides
	Extraction of Zinc & Aluminium from its Oxides; Oxidation & Reduction
	Refining - Part 1
	Refining - Part 2
The p-Block Elements	Introduction; Group 15 Elements
	Ionisation Enthalpy; Electronegativity; Physical & Chemical Properties - Group 15
	Ammonia; Oxides of Nitrogen, Phosphorus
	Chemical Properties of Group 15 Elements
	p-Block - Group 16 Elements; Dioxygen
	Simple Oxides; Ozone
	Sulphur - Part 1
	Sulphur - Part 2
	Group 17 Elements
	Chlorine
	Oxoacids of Halogen; Interhalogen Compounds
	Group 18 Elements
The d- and f- Block Elements	The d- and f- Block Elements
	Atomization Enthalpy
	Oxidation States
	Magnetic Properties; Formation of Coloured Ions; Interstitial Compounds; Alloys and Complex Compounds
	Standard Electrode Potential, Trends
	Trends and Stability of Higher Oxidation States; Compounds of d- Block Elements - Part 1
	Compounds of d- block Elements - Part 2
	The Lanthanides - Part 1
	The Lanthanides - Part 2
	The Actinides - Part 1
	The Actinides - Part 2
Coordination Compounds	Introduction
	Coordination Polyhedron; Oxidation Number; Werner's Theory

	Werner's Theory of Coordination Compounds
	Nomenclature of Coordination Compounds
	Writing Formulas of IUPAC Names; Valence Bond Theory - Part 1
	Isomerism in Coordination Compounds
	Limitations of Valence Bond Theory; Crystal Field Theory (CFT) (Octahedral Complexes)
	Crystal Field Theory (Tetrahedral Complexes); Colour in Coordination Complexes; Bonding in Metal Carbonyls
	Stability of the Coordination Compounds & Applications
Haloalkanes and Haloarenes	Introduction
	Nomenclature - Part 1; Nature of C-X Bond; Methods of Preparation - Part 1
	Methods of Preparation - Part 2; Physical Properties
	Chemical Reactions - Part 1
	Chemical Reactions - Part 2
	Stereochemical Aspects of Nucleophilic Substitution Reaction
	Nomenclature - Part 2
	Halogen Exchange; Reaction of Haloarenes; Polyhalogen Compounds
Alcohols, Phenols and Ethers	Nomenclature; Alcohols
	Nomenclature; Phenols and Ethers; Structure of Functional Groups
	Preparation of Alcohols & Phenols
	Physical Properties of Alcohols, Phenols; Chemical Reactions
	Electrophilic Aromatic Substitution & Important Reactions of Phenols
	Some Commercially Important Alcohols
	Cleavage of - OH Bond
	Esterification & Its Applications
	Preparation of Ethers
	Chemical Reaction of Ethers
	Friedel Crafts Alkylation Reaction & Acylation Reaction; Williamson Ether Synthesis
	Acid Dissociation; Acidity of Alcohols; Cleavage of C-O Bond in Ethers
	Williamson Synthesis of Ethers
Aldehydes, Ketones & Carboxylic Acids	Physical Properties & Chemical Properties of Carboxylic Acids - Part 1
	Chemical Properties of Carboxylic Acids - Part 2
	Carbonyl Group & Its Structure; Oxidation of Alcohol

	Methods of Preparation of Aldehydes & Ketones
	Mechanism of Nucleophilic Attack on the Carbonyl Group
	Chemical Reactions Involving Nucleophilic Attack; Reduction Reaction
	Wolff - Kishner Reduction Oxidation Reaction; Haloform Reaction
	Electrophilic Substitution Reaction; Physical Properties of Aldehydes & Ketones; Hydration of Alkynes
	Reduction of Nitriles & Esters; Preparation of Ketones; Chemical Properties of Carboxylic Acids
	Resonance & Stability of Carboxylate Ion; Acidic Property & Dissociation Constant of Carboxylic Acid
	pKa Values & Effect of Substituent Group on Carboxylic Acids
	Preparation of Carboxylic Acids
	Reaction of Alpha - Hydrogen in Aldehydes & Ketones; Aldol Condensation; Cross Condensation - Part 1
	Cross Condensation - Part 2; Cannizzaro Reaction; Uses of Aldehydes & Ketones
	Nomenclature of Aldehyde, Ketones & Carboxylic Acids
Amines	Introduction
	Preparation of Amines - Part 1
	Preparation of Amines - Part 2
	Classification of Amines
	Physical Properties of Amines
	Boiling Point; Nomenclature of Amines
	Chemical Reactions; Structure - Basicity Relationship of Amines
	Acylation Reactions - Part 1
	Acylation Reactions - Part 2; Carbylamines Test
	Reaction of Aliphatic & Aromatic Amines with Nitrous Acid
	Bromination Reactions of Aromatic Amines
	Diazonium Salts - Preparation & Properties; Displacement Reactions
	Replacement of H group & Coupling Reaction of Diazonium Salts; Displacement Reactions - Part 1
	Displacement Reactions - Part 2
	Reaction of Amines with Salts with Aryl Sulphonyl Chloride
	Nitration & Sulphonation Reactions of Aromatic Amines
	Sandmeyer Reaction
Biomolecules	Introduction
	Classification of Carbohydrates; Preparation & Structure of Glucose - Part 1

	Preparation & Structure of Glucose - Part 2
	Cyclic Structure of Glucose; Structure of Fructose; Disaccharides; Sucrose
	Disaccharides - Maltose, Lactose; Polysaccharides - Starch, Glycogen
	Polysaccharides - Cellulose; Importance of Carbohydrate; Proteins
	Types of Proteins; Structure of Proteins; Denaturation of Proteins; Enzymes
	Vitamins; Nucleic Acids - Part 1
	Nucleic Acids - Part 2; Double Strand Helix of DNA
	Classification of Amino Acids; Zwitterion; Structure of Proteins; Structure of Fructose
Polymers	Introduction
	Preparation of Addition Polymers; Condensation Polymerisation
	Rubber - Types of Rubber; Biodegradable Polymers; Addition Polymers
Chemistry in Everyday Life	Introduction
	Receptors as Drug Targets; Therapeutic Action of Different Classes of Drugs - Part 1
	Therapeutic Action of Different Classes of Drugs - Part 2
	Cleansing Agents: Soaps, Synthetic Detergents

CBSE GRADE - 12 (COMPUTER SCIENCE) TABLE OF VIDEO CLASSES

Coming Soon!

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
	Preposition - 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	Subject Verb Agreement -1
	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