

CBSE (NCERT) GRADE 8 - LIST OF VIDEO CLASSES

PCMB + ENGLISH

Subject	Number of Videos
Mathematics	161
Physics	55
Chemistry	25
Biology	49
English	82
Total	372

CBSE GRADE-8 (MATHAMATICS) TABLE OF VIDEO CLASSES

Chapter Name	Video Name
Rational Numbers	introduction
	Properties of Rational Numbers
	Commutativity the Role of 1
	Associativity
	The Role of 1
	Negative of a Number, Reciprocal, Distributivity
	Exercise 1.1(1 to 5)
	Exercise 1.1(6 to 10)
	Representation of Rational Numbers on a Number line
	Rational Numbers Between 2 Rational Numbers
Linear Equations in One Variable	Exercise 1.2
	introduction
	Solving Linear Expressions On One Side and Numbers On another
	Exercise 2.1- Part 1
	Exercise 2.1- Part 2
	Some applications with Numbers Example 5 to 11
	Exercise 2.2 - Part 1
	Exercise 2.2 - Part 3
	Solving Equations Having The Variable On Both Sides
	Exercise 2.3 - Part 1
	Exercise 2.3 - Part 2
	Some More applications with Numbers Example 14,15; Exercise 2.4 -Part 1
	Exercise 2.4 -Part 1
	Reducing Equations to Simpler forms
	Exercise 2.5 - Part 1
	Exercise 2.5 - Part 2

	Equations Reducible to The Linear form; Ex:2.6
Understanding Quadrilaterals	introduction
	Polygons; Classification OF Polygons, Diagonals, Convex and Concave Polygons
	Regular and Irregular Polygons, angle Sum Property
	Exercise 3.1
	Sum of The Measures of The Exterior angles of a Polygon, Exercise 3.2- Part 1
	Exercise 3.2- Part 2
	Kinds of Quadrilaterals, Parallelogram
	Elements of a Parallelogram. angles of a Parallelogram, Diagonals of a Parallelogram
	Exercise 3.3
	a Rectangle, a Square
	Exercise 3.4 - Part 1
	Exercise 3.4 - Part 2
	Recalling Types of Quadrilaterals and Their Properties
Practical Geometry	introduction
	Constructing a Quadrilateral
	Exercise 4.1- Part 1
	Exercise 4.1- Part 2
	Constructing a Quadrilateral When Length of 3 Sides & 2 Diagonal are Given; Exercise 4.2 - Part 1
	Exercise 4.2 - Part 2
	Constructing a Quadrilateral When 2 adjacent Sides and 3 angles are Given; Exercise 4.3- Part 1
	Exercise 4.3- Part 2
	Exercise 4.3- Part 3
	Constructing a Quadrilateral When 3 Sides and included angles are Given; Exercise 4.4 - Part 1
	Some Special Cases; Exercise 4.5 - Part 1
Data Handling	introduction
	Data; Types of Graph with Example
	organising Data; Grouping Data
	Bars with a Difference
	Exercise 5.1
	Circle, Graph and Pie Chart, Drawing Pie Chart
	Exercise 5.2 - Part 1
	Exercise 5.2 - Part 2
	Chance and Probability, Equally Likely Outcomes
	Linking Chances to Probability; Outcomes as Events
	Chance and Probability Related to Real Life; Exercise 5.3 - Part 1
Exercise 5.3 - Part 2	
Squares and Square Roots	introduction

	Properties of Square Numbers
	Some More interesting Patterns
	Exercise 6.1 - Part 1
	Exercise 6.1 - Part 2
	Finding The Square of a Number; Pythagorean Triplets
	Exercise 6.2 - Part 1 Square Roots, Finding Square Roots
	Exercise 6.2 - Part 2
	Square Roots, Finding Square Roots
	Finding Square Roots Through Prime Factorisations
	Exercise 6.3 -Part 1
	Exercise 6.3 -Part 2
	Finding Square Roots by Division Method
	Square Roots of Decimals; Estimating Square Root
	Exercise 6.4 - Part 1
	Exercise 6.4 - Part 2
Cubes and Cube Roots	introduction
	Cube, Cube and Their Prime Factors, Smallest Multiple That Is a Perfect Cube
	Exercise 7.1; Cube Roots
	Cube Root of a Cube Number
	Exercise 7.2 - Part 1
	Exercise 7.2 - Part 2
Comparing Quantities	introduction
	Recalling Ratios and Percentages
	Exercise 8.1 -Part 1
	Exercise 8.1 -Part 2
	Finding increase or Decrease Percent; Finding Discounts
	Prices Related to Buying and Selling (Profit and Loss, Estimation in Percentages
	Estimation in Percentages; Prices Related to Buying and Selling (Profit and Loss
	Finding Cost Price, Selling Price, Profit % /Loss %
	Exercises 8.2; Compound interest
	Deducing a formula for Compound interest, Rate Compounded annually or Half Yearly
	Applications of Compound interest formula; Exercise 8.3 - Part 1
	Exercise 8.3- Part 2
algebraic Expressions and Identities	Introduction
	Expressions; Terms, Factors and Coefficients; Monomials; Binomials; Polynomials
	addition and Subtraction of algebraic Expressions; Exercise 9.1 - Part 1
	Exercise 9.1 - Part 2
	Multiplication of algebraic Expressions
	Multiplying a Monomial by a Monomial; Exercise 9.2 - Part 1

	Exercise 9.2 - Part 2
	Multiplying a Monomial by a Polynomial; Exercise 9.3 - Part 1
	Exercise 9.3 - Part 2
	Multiplying a Polynomial by a Polynomial; Exercise 9.4 - Part 1
	Identity; applying Identities
	Exercise 9.5- Part 1
Visualising Solid Shapes	introduction
	Views of 3d Shapes
	Exercise 10.1
	Mapping Space around Us; Exercise 10.2
	Faces, Edges and Vertices
	Exercise 10.3
Mensuration	Introduction
	Exercise 11.1- Part 1
	Exercise 11.1- Part 2
	Area of Trapezium; Area of a General Quadrilaterals and area of a Polygon
	Exercise 11.2
	Solid Shapes, Surface area of a Cube & Cuboid
	Exercise 11.3
	Volume of Cube, Cuboid and Cylinder
	Exercise 11.4
Exponents and Powers	introductions
	Powers with Negative Exponents; Laws of Exponents
	Exercise 12.1 - Part 1
	Exercise 12.1 - Part 2
	Use of Exponents to Express Small Numbers in Standard form; Comparing Very Large and Very Small Numbers
	Exercise 12.2- Part 1
Direct and inverse Proportions	introduction
	Direct Proportion
	Exercise13.1 - Part 1
	Exercise13.1 - Part 2
	inverse Proportion
	Exercise 13.2
Factorisation	introduction
	Factors of Natural Numbers; Factors of algebraic Expressions
	Exercise 14.1 - Part 1
	Exercise 14.1 - Part 2
	Factorisation Using Identities; Exercise 14.2- Part 1
	Exercise 14.2- Part 2
	Division of algebraic Expressions
	Exercise 14.3
Exercise 14.4 - Part 1	

	Exercise 14.4 - Part 2
introduction to Graphs	introduction
	a Bar Graph; a Pie Graph; a Line Graph
	Exercise 15.1
	Linear Graphs; Exercise 15.2
	Some applications with Numbers Example 5 to 11
Playing with Numbers	Exercise 15.3
	introduction
	Number in General form
	Letters of Digits
	Exercise 16.1
	Tests of Divisibility
	Exercise 16.2

CBSE GRADE-8 (PHYSICS) TABLE OF VIDEO CLASSES

Chapter Name	Video Name
force and Pressure	introduction
	force- a Push or a Pull, forces are Due to an interaction
	Exploring forces; a force Can Change the State of Motion
	force Can Change the Shape of an Object, Contact forces
	Non-Contact forces
	Pressure; Pressure Exerted by Liquids and Gases - Part 1
	Pressure Exerted by Liquids and Gases - Part 2
	atmospheric Pressure
	Recap
	Exercises
	Exercises
Friction	introduction
	force of Friction
	Factors affecting Friction
	Friction: A Necessary Evil
	increasing and Reducing Friction
	Wheels Reduce Friction; Fluid Friction
	Recap
	Exercises
Sound	introduction
	Sound; Sound Produced by a Vibrating Body
	Sound Produced by a Human Being

	Sound Needs a Medium for Propagation
	We Hear Sound Through Our Ears
	amplitude, Time Period and Frequency of a Vibration, Loudness and Pitch
	audible and inaudible Sound; Noise and Music
	Noise Pollution
	Recap
	Exercises
Chemical Effects of Electric Current	introduction
	Liquids Conduct Electricity - Part 1
	Liquids Conduct Electricity - Part 2
	Chemical Effects of Electric Current
	Electroplating
	Extended Learning
	Exercises
	Exercises
Some Natural Phenomena	introduction
	Lightning
	Charging by Rubbing, Types of Charges and Their interaction
	Transfer of Charges
	The Story of Lightning, Lightning Safety
	Earthquakes; Protection against Earth Quake
	Recap
	Exercises
Light	introduction
	Reflection; Laws of Reflection
	Regular and Diffused Reflection, Reflected Light Can Be Reflected again
	Multiple Images
	Sunlight; Eyes;
	Care of The Eye.
	Visually Impaired Person Can Read and Write; Braille System?
	Recap
	Exercises
	Exercises
	Stars and The Solar System
The Moon	
The Stars	
Constellations	
The Solar System Part 1	

	The Solar System Part 2
	Some Other Members of The Solar System
	Recap
	Exercises
	Exercises

CBSE GRADE-8 (CHEMISTRY) TABLE OF VIDEO CLASSES

CHAPTER NAME	VIDEO NAMES
SYNTHETIC FIBRES And Plastics	introduction
	Synthetic Fibre; Types of Synthetic Fibre
	Characteristics of Synthetic Fibres
	Plastics
	Plastic & Environment
	Exercises
	Exercises
Materials: Metals and Non-Metals	introduction
	Physical Properties of Metals and Non-Metals
	Chemical Properties of Metals and Non-Metals
	Uses of Metals and Non-Metals
	Exercises
	Exercises
Coal And PETROLEUM	introduction
	inexhaustible & Exhaustible Natural Resources
	Coal
	Petroleum
	Natural Gas
	Some Natural Resources are Limited
	Exercises
	Exercises
COMBUSTION And Flame	introduction
	Combustion- Part 1
	Combustion- Part 2
	How Do We Control Fire?
	Types of Combustion
	Flame and Structure of a Flame
	Fuel; Fuel Efficiency
	Exercises
	EXERCISES

CBSE GRADE-8 (BIOLOGY) TABLE OF VIDEO CLASSES

Chapter Names	Name of Videos
Crop Production and Management	introduction
	agricultural Practices; Basic Practices of Crop Production
	agricultural Implements, Sowing, adding Manure and Fertilizers
	Irrigation
	Protection from Weeds, Harvesting
	Storage, Food from animals
	Exercises
	Exercises
Microorganisms: Friend and Foe	introduction
	Microorganisms
	Microorganisms and Us (Part 1)
	Microorganisms and Us (Part 2)
	Harmful Micro organisms
	Food Preservation
	Nitrogen Fixation, Nitrogen Cycle
	Exercises
Exercises	
Conservation of Plants and animals	introduction
	Deforestation and Its Causes; Consequences of Deforestation
	Conservation of forest and Wild Life; Biosphere Reserve
	Flora and Fauna
	Endemic Species
	Wild Life Sanctuary, National Park
	Red Data Book, Migration, Recycling of Paper Reforestation
	Recap
	Exercises
	Exercises
Cell — Structure and Functions	introduction
	The Cell
	organisms Show Variety in Cell Number, Shape and Size
	Cell Structure and Function- Part 1
	Cell Structure and Function- Part 2
	Cytoplasm; Nucleus
	Comparison Between Plant and animal Cell
	Recap
	Exercises
introduction	

Reproduction in animals	Modes of Reproduction
	Sexual Reproduction
	Viviparous and Oviparous animals
	asexual Reproduction
	Recap
	Exercises
Reaching The age of adolescence	introduction
	adolescence and Puberty
	Change at Puberty
	Secondary Sexual Characters
	Reproductive Phase of Life in Humans
	Sex Determination
	Role of Hormones in completing The Life of insects and Frogs
	Reproductive Health
	Say No to Drugs
	Exercises
	Exercises
	Pollution of air and Water
air Pollution	
Case Study - Taj mahal	
Green House Effect	
Water Pollution	
What Is Potable Water and How Is Water Purified?	
Recap	
Exercises	
Exercises	

ENGLISH GRAMMAR (COMPLIMENTRY) 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	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