

Guru Nanak Hr. Sec. School

Syllabus Class VI 2017-2018

Social Science

Term I April – May History L.2 The Earliest Societies **Civics** L.1 Unity in Diversity

Geography 1. The Earth and the Solar System

June-July History L.4 The First Cities **Civics** L.3 Government **Geography** L.2 Latitudes and Longitudes L.3 Motions of the earth

Aug- Sept History L.5 The Age of the Vedas **Geography** L.5 Major Domains of the Earth

Term II Oct- Nov History L.7 Growth of New Ideas L. 8 The First Empire The Mauryans

Civics L.5 Local Self Government **Geography** L.6 Major Landforms of the Earth L.7 India- Location and Political Divisions

Dec- Jan History L.11 New Empires and Kingdoms **Civics** L.6 Urban Local Self- Government

Geography L.8 India- Physical Features L.10 India – Natural Vegetation and Wildlife

Science Term I April – May Food and its Sources 2. Components of food

June – July Fibre to fabric 6. Changes around us 7. Living and Non – living things

Aug- Sept 8 . Getting to know plants 9. Movements of the body

Term II Oct – Nov 10. Habitat of the living 11. Measurement and Motion 12. Light Shadow and Reflection 13. Electricity and Circuits\

Dec- Jan 14. Fun with magnets 15. Water 16. Garbage in Garbage out

Maths Term I April – May Knowing our Numbers 2. Whole numbers

June – July Playing with Numbers : Factors and multiples 4. Basic Geometrical Ideas :-Line segment , Ray and Lines, Parallel lines, Polygons, Triangles,Quadrilaterls,Circles

Aug - Sept Understanding Elementary Shapes 6. Integers , Fractions

Term II Oct- Nov Decimals 2. Data Handling, Pictograph , Bar graphs 3. Mensuration : Perimeter and Area 4. Algebra : Linear Eqn in one variable 5. Ratio, Proportion, Unitary Method, 6. Symmetry 7. Practical Geometry – Constructions

Moral Science

Term I April – May Book I (More value) Ch-2 The wallet Book II (Divinity) a) Names of Beloved Five(Piare) b) Names of 10 Famous Gurudwaras

June – July Book I (More value) Ch-3 Grandpa’s Birthday Book II (Divinity) GURU ARJAN DEV

Aug – Sept Book I (More Values) Ch- 4. a) A World of Trees b) Revision

Term II Oct- Nov Book I (More Values) Ch- 6 Our Attitude Counts Book II (Divinity) a) Name of Sahebzadas b) Names of Takhat c) Names of 5 K's

Dec- Jan Book I (More Values) a) Ch-7 Save Each Grain Ch-8 All For My Country Book II (Divinity) a) The Beloved Five b) Details about the Sikh Gurus or Prophets

G.K. Term I April – May Book I (Know For Sure) The Natural world Book II (Current Affairs) Arts and Cultures

June – July Book I (Know For Sure) a) Things Around Me b) Number and Logical Skills Book II (Current Affairs) Sports

Aug – Sept Book I (Know For Sure) a) Science and Technology b) Language and Literature , Legends and Myths BookII (Current Affairs) Science and Technology Book I (Know For Sure) Arts and Culture Book II (Current Affairs) a) Politics b) olympics 2016

Dec- Jan Book I (Know For Sure) a) Sports, b) The world Around Us c) Mixed Bag Book II (Current Affairs) Miscellaneous

Computer Science

Term I April – May Chapter 1 Types of computers

June Chapter 2 More on MS Windows

July Chapter 3 MS Word Some More Features

Aug- Sept Chapter 5 Enlivening Presentation

Term II Oct Chapter 6 Microsoft Excel 2007

Nov- Chapter 7 Editing cell contents in Microsoft Excel

Dec - Chapter 8 Algorithms and flowcharts

Jan- Feb Chapter 9 Programming with Qbasic

English Literature April –May Durga & Opu (Prose) Life does not frighten me (Poem)

A letter to God (Story)

June – July The Blanket (Story) The Tall Oak trees (Poem) Chipko Movement (Graphic story)

Aug – Sept Uncle Pooker Hangs a Picture (Prose) Stopping By Woods on a Snowy evening (Poem) The Unwanted Guest (Prose)

Oct – Nov God, the Artist (Poem) The Fairy King , Magpie (Prose) , Gulliver in Lilliput

Dec- Jan Lost Child (Story) Zranel (Poem) The Magic Shop (Story)

Feb – You can't be that (Poem) Revision

English Grammar

April- May Punctuation and Capitalisation, Articles, Sentences , Noun, Gender & number , Types of Nouns , Letter – Formal/ Informal and Notice Writing

June- July Adjective – Degree of Comparisons , Pronouns, Tenses , Subject – Verb Agreement, Active & Passive Message, Story writing, diary entry

Aug- Sept Preposition, Modals , Auxiliary – Infinitive Participle and Gerund, conjunctions, Phrases, Article writing , Paragraph writing & speech

Oct- Nov Clauses, Adverb – types & degrees of comparisons, Direct & Indirect speech, Simple, Compound and Complex sentence. Revision of letter writing & notice writing.

Dec- Jan Transitive & Intransitive Verb, Idioms, Homophones. Revision of Message , story writing and diary entry..

Feb- Revision of Article writing Paragraph writing & speech Revision of earlier taught grammar portion.

Class VII

Subject Social science

Term 1 April –May History :When ,where and how **Civics**: Democracy **Geography**: Our Environment

Jun -july

History :The Sultanate period **Civics**: Institutional representation of democracy

Geography: The structure of the earth

Jul -Aug

History :The mughal empire **Civics**: State govt **Geography**: Composition and structure of the atmosphere.

Aug- sept

History :Revision **Civics**: Revision **Geography**: Weather and climate and revision.

Term 2 Oct- Nov

History :Tribal communities. **Civics**: Media and democracy **Geography**: Water.

Nov- Dec

History :Religious beliefs. **Civics**: Role of gender **Geography**: Natural vegetation and wildlife.

Dec- Jan

History :Political formation in the eighteenth century. **Civics**: India and democracy

Geography :Life in the tropical and subtropical regions

Jan - Feb

History : Revision **Civics**: Revision **Geography** Life in the temperate grassland, Revision.

Subject: Science

Term I Apr-may 1 Nutrition in plants.2 Nutrition in animals

June-July 3. Animal Fibre 4 Heat and temperature.5 Acid ,basis and salts

Aug-sept 6. Physical and chemical changes 8 Soil

Term II

Oct-Nov 9.Respiration in organisms 10 Transport of materials in animals and plants 11 Reproduction in plants 12 Time and motion

Dec-Jan 13.electric current and its effects 14 light 17 Forests-Our lifeline

Subject Maths

Term I

Apr-May 1. Integers 2. Fractions and Decimals

Jun-July 3. Lines and angles 4. Data Handling 5. Simple equations

Aug-Sept 6. Triangles and its properties. 7. Comparing quantities

Term II

Oct-Nov 1. Congruence of triangles 2. Rational numbers 3. Symmetry 4. Visualising solid shapes

Dec-Jan 5. Mensuration 6. Algebraic expression 7. Exponents and powers.

Feb 8. Practical geometry

Subject :Moral Science

Term I

Apr-May

A. Divinity: 1 A Bairagi becomes a saint soldier. B. More Values: 2 Kahi-Family Values.

Jun-July

A. Divinity: 2. His Army 3 4 Sahibzada B. More Values: 3. The two pots-self esteem

Aug-sept

A. Divinity 4. 5 K's 5. 5 Takhat B More Values: 4. Friendship and Justice-Being Far

Term II

Oct-Nov

A. Divinity: His Achievements 5 Piarre (Beloved five) 10 famous gurudwaras.

B. More Values: 6 Story of the rainbow-Team spirit.

Dec-Jan

A Divinity: Khalsa Army Organised. Details about the sikh Gurus or Prophets .

B More Values: 7. Mother Ganga –Our environment. 8. We shall overcome-Being sensitive to the challenged people.

General Knowledge

Term 1

Apr-may

A Know for sure: 1. The Natural World B Current Affairs Quiz:1. Art and Culture

Jun-July

A Know for sure: 2. Science and technology 3. Things around me B. Current Affairs Quiz: 2 Sports.

Aug-Sept

A Know for sure:4. Number and logical skills 5. Language and Literature, Legends and Myths. B Current Affairs Quiz: 3. Science and Technology.

Term 2

Oct-Nov

A Know for sure:6. Arts and Music 7. Sports B Current Affairs Quiz: 4. Politics.

Dec-Jan

A Know for sure: 8. The World Around Us. 9. Mixed Bag. B Current Affairs Quiz: 5. Olympics 2016 6. Miscellaneous

Computer

Term I

April Computer Fundamentals. **May-Jun** Window Explorer.

Jul-Aug More on Qbasic. **Aug-Sept** MS Excel Formulae and functions.

Term II

Oct Creating charts in MS Excel. **Nov** Introduction to photoshop.

Dec-Jan Computer Virus.

English Literature

Term I

Apr-May Swami and the father(story). My childhood(APJ Abdul Kalam)(story)

Jun-July Festivals of India(story), In the bazaars of Hyderabad(poem)

Aug-Sept On killing a tree(poem), A poison tree.

Term 2

Oct-Nov The devastating Tsunami(prose),Ballad of a river(poem),The invisible man(prose)

Dec-Jan A journey to the top(prose),The road of life(poem)

Feb The listener(poem),Revision

English Grammar

April- May Punctuation and Capitalisation, Articles, Sentences , Noun, Gender & number , Types of Nouns , Letter – Formal/ Informal and Notice Writing

June- July Adjective – Degree of Comparisons , Pronouns, Tenses , Subject – Verb Agreement, Active & Passive Message, Story writing, diary entry

Aug- Sept Preposition, Modals , Auxiliary – Infinitive Participle and Gerund, Conjunctions, Phrases, Article writing , Paragraph writing & speech

Oct- Nov Clauses, Adverb – types & degrees of comparisons , Direct & Indirect speech, Simple, Compound and Complex sentence. Revision of letter writing & notice writing.

Dec- Jan Transitive & Intransitive Verb, Idioms, Homophones. Revision of Message , story writing and diary entry..

Feb- Revision of Article writing Paragraph writing & speech Revision of earlier taught grammar portion.

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Class VIII

Subject :Social science

Term I

April –May History : Ch-1 When, where and how? Ch-2 The expansion of British power. **Civics:** Ch-1The constitution and need for laws. **Geography:**Ch-1 Our resources.

June-July History :Ch-3 Rural life and society.**Civics:** Ch-3 The Parliamentary system

Geography:Ch-2 Natural resources :Land, soil and water.Ch-3 Natural resources Natural vegetation and wildlife.

August – sept History :Ch-6 The great revolt of 1857 **Civics:** Ch-4 The judiciary

Geography: Ch-4 Minerals and power resources.

Term II

Oct –Nov History :Ch-7 Education in british rule. Ch-8 Reforms in Indian Society.

Civics: Ch-5 The Police and the court. **Ch-6** Marginalisation and social justice.

Geography: Ch-5 Agriculture

Dec –Jan History Ch-12 The Nationalist Movement Ch-13 India after Independence.

Civics: Ch-7 The government and economic development **Geography:**Ch-6 Major crops and agricultural development. **Ch-** Industries

Subject :Science

Term I

Apr-May 1. Crop production and management 2. Micro-organisms

Jun-July 3.Synthetic fibres and plastics. 4. Metals and non metals. 5. Coal and petroleum

Aug-sept6.Combustion and flame 7. Conservation of plants and animals 8. Cell structure and functions.

Term II

Oct-Nov 11 Force and pressure. 12. Friction 13. Sound

Dec-Jan 14. Chemical effects of electric current. 16. Light 17.The Universe 18. Pollution of air and water

Subject Maths

Term I

Apr-May 1. Rational Numbers. 2. Linear equation in one variable. 3 Understanding Quadrilaterals.

Jun-July 4. Comparing Quantities. 5. Squares and square roots 6. Cubes and cube roots

Aug-sept 7. Data handling 8. Practical geometry.

Term II

Oct-Nov 1 Algebraic Expression and identities. 2. Factorization. 3. Direct and inverse proportion.

Dec-Jan 4. Mensuration 5. Exponents and powers 6. Playing with numbers. 7. Visualising solid shapes

Feb 8 Introduction to graphs

Subject Computer

Term I

Apr-May Ch 1 Computer Network. **June** Ch 2 MS Access 2007

July Ch 3 Queries, Forms and Reports in MS Access **Aug-sept** Ch 7 Crime and security.

Term II

Oct Ch 4 Creating web pages with HTML **Nov** Ch 5 Macromedia Flash. **Dec-Jan** Ch 6 More on Internet.

Subject English Literature

Term I

Apr-May How I taught my grandmother to read (fiction), Macavity, The Macavity cat

Jun-July Christmas Carol (Drama), I never forget a face (prose).

Aug-sept Once upon a time (poem)

Term II

Oct-Nov The snake and the mirror (prose), Nine gold medals (poem), In celebration of being alive (story)

Dec-Jan Night of the scorpion (poem) Mother's voice (prose).

Feb Off to space tomorrow morning (poem), Revision.

Sub Moral Science

Term I April Faith in God strengthens our mind.

May Emotional Intelligence. **June** There's no one here

July Birth and childhood. **Aug** Bold adventure of the lad.

Term II Oct The beauty of the spirit. **Nov** India under British rule. **Dec** The two friends. **Jan**

Koh-I-Noor changes hands. **Feb** Revision.

Sub English Grammar

April- May Punctuation and Capitalisation, Articles, Sentences, Noun, Gender & number, Types of

Nouns, Letter – Formal/ Informal and Notice Writing

June- July Adjective – Degree of Comparisons, Pronouns, Tenses, Subject – Verb Agreement, Active

& Passive Message, Story writing, diary entry

Aug- Sept Preposition, Modals , Auxiliary – Infinitive Participle and Gerund, Conjunctions, Phrases,
Article writing , Paragraph writing & speech

Oct- Nov Clauses, Adverb – types & degrees of comparisons , Direct & Indirect speech, Simple,
Compound and Complex sentence. Revision of letter writing & notice writing.

Dec- Jan Transitive & Intransitive Verb, Idioms, Homophones. Revision of Message , story writing and
diary entry..

Feb- Revision of Article writing Paragraph writing & speech Revision of earlier taught grammar portion.

Sub Gk

Term I 1 The Natural world. 2 Things around me. 3 Numbers and logical skills. 4 Science and technology. 5 Language
and literature,Legends and myths.

Current Affairs: Art and culture-1 to 10 , Sports- 1 to 10 , Science and technology- 1 to 10 , Politics- 1 to 10
,Olympics- 1 to 10 , Miscellaneous- 1 to 10.

Term II 1. Art and music. 2. Sports 3.The world around us. 4. Mixed bag.

Current Affairs: Art and culture-11 to 20 , Sports- 11 to 20 , Science and technology- 11 to 20 , Politics- 11 to 20
,Olympics- 11 to 20 , Miscellaneous- 11 to 20.

Syllabus Class IX 2017-2018

Social Science

History Term I April-May L 1. The French revolution .

July – August L3. Nazism and The rise Of Hitler

Term II Oct- Nov L4. Forest Society and Colonialism

Dec- Jan L7. History and sports – The story of cricket

Geography Term I April- L1. India – Size and Location

April – June L2. Physical features of India

July – Aug L3. Drainage

Term II Nov- Dec L4. Climate L5. Natural vegetation and wildlife

Jan- L6. Population

Economics Term I April- June L1. The story of village Palampur

July –Aug L2. – The people as Resource

Term II Oct- Nov L3.- Poverty as a challenge

Dec- Jan L4. – Food security in India

Civics Term I April – May L1. Democracy in the contemporary world

June –July L 2. What is Democracy ? Why Democracy ?

August Constitutional Design

Term II October – L4. Electoral Politics

November- Working of Institutions

December – Democratic Rights

Science

Biology Term I April- May L1. The Cell

June – July L2. Tissues

August L3. Improvement in food resources

Term II October- L1. Diversity in living organisms

November- L2. Why do we fall ill

December- L3. Natural resources

Chemistry Term I April, May, June L1. The matter is our surroundings

July – August L2. Is matter around us pure?

Term II October-November – L1. Atoms and Molecules

November- December Structure of Atoms

Physics Term I April – May L1. Motion

June- July L2. Force and laws of motion

August L3. Gravitation

Term II October L1. Floatation

November – L2. Work , energy and Power

December . L3. Sound

Maths Term I April Unit I Number System :i> Real Numbers

May Unit 2 : Algebra i> Polynomials

June – July Unit 3 : Geometry i> Introduction to Euclid’s Geometry ii> Lines & angles iii> Triangles

Aug – Sept Unit 4 :1> Co-ordinate Geometry Unit 5: 2i> Mensuration : i> Areas of Triangles – Heron’s Formula

Term II October-November Unit 2: 1> Algebra (contd.) i> Linear equations in two variables

Unit 4 : 2> Mensuration(cond.) ii> Surface Areas & volumes

December – January Unit 3: Geometry i> Quadrilaterals ii> Areas iii> Circles iv> Constructions

February Unit 5: Statistics & Probability i> Statistics ii> Probability

Syllabus Class X 2017-2018

SOCIAL SCIENCE

HISTORY Term I April-June L.5 The Age of Industrialization L.8 Novels Society and History

July- Aug L.8 Novels Society and History

Term II Nov L.2 Nationalism in Indo China

Dec- Jan L.3 Nationalism in India

CIVICS Term I April –May L.1 Power Sharing June- L.2 Federalism

July- L.3 Democracy and Diversity **Aug -** L.4 Gender , Religion and Caste

Term II October L.5 Popular struggles and Movements **November** L.6 Political Parties

December - L. 7 Outcomes of Democracy **January -** L.8 Challenges of Democracy

GEOGRAPHY Term I April – May L.1 Resources and Development

June- L.2 Forest and Wild Life Resources

July- L.3 Water Resources **August -** L.4 Agriculture

Term II Oct – Nov L.5 Minerals and Energy Resources **Nov- Dec** L.6 Manufacturing Industries

Dec- Jan L.7 Life Line of National Economy

ECONOMICS Term I April– June L.1 Development **July– Aug** L.2 Sectors of the Indian Economy

Term II October L.3 Money and credit **November** - L.4 Globalisation and the Indian Economy

December -- L.5 Consumer Rights

SCIENCE

CHEMISTRY Term I April – CH1. Chemical reactions and equations

May –June CH2. Acids, Bases and Salts

July – Aug Ch3. Metals and Non- Metals

TermII Oct- Ch1. Carbon and its compounds

November CH2. Periodic classification of elements

PHYSICS TermI April-May Electricity and its heating effects

June- July CH2. Magnetic effects of Electric current

August CH3. Sources of energy

Term II Oct- CH1.- Reflection and Refraction of light

November - CH2. Natural Phenomenon : The Human eye and the colourful world

BIOLOGY Term I April-May CH1. Life Processes

June – July –Aug CH2. Control and Co-ordination

Term II Aug –Sept Ch1. How do organisms Reproduce.

Oct- CH2. Heredity and Evolution.

Nov- Ch3. Our Environment Ch4. Management of Natural Resources

MATHS Term I April-May Unit I -> 1: Number System: Real Numbers

Unit 2 -> 2: Algebra i) Polynomials ii) Linear Equations in two variables

June-July Unit 3 : Geometry : i) Triangles

Unit 4 -> Trigonometry i) Introduction to Trigonometry ii) Trigonometric Identities

Unit 5-> Statistics and Probability :i) Statistics

Term II Aug-Sept Unit II : Algebra iii) Quadretic Equations iv) Arithmetic Progression

Oct- Unit vi) i) Coordinate Geometry Unit VII) 2) Mensuration

i) Areas Related to Circles ii) Surface Areas and Volumes

Nov –Dec Unit IV: 1) Trigonometry : iii) Heights & Distances

Unit III 2) Geometry ii) Circles iii) Constructions Unit V :3) Statistics & Probability :ii) Probability