

D.A.V Public School kailash hills

TERMWISE CURRICULUM

SESSION - 2021-2022

CLASS - VII SUBJECT

Mathematics

Term 1 (SA1)

1st term

1. Rational numbers
 - (a) Properties of rational numbers
 - (b) Standard form of rational number
 - (c) Absolute value of a rational number
 - (d) Conpairing rational numbers
2. Operation on rational number
 - (a) Addition, Subtraction, Multiplication and division of rational numbers
 - (b) Rationals between two rational numbers
3. Rational numbers as decimals
 - (a) Conversion of rational numbers by long division method
 - (b) Conversion of terminating decimals into rational numbers
4. Application of percentage
 - (a) Simple application
 - (b) Profit and loss
 - (c) Simple interest
5. Allgebraic Expression
 - (a) Multiplication of monomials
 - (b) Multiplication of a monomial and binomial
 - (c) Multiplication of binomials
 - (d) Multiplication of binomial and trinomial
 - (e) Factorisation of Algebraic expression
6. Triangle and its properties
 - (a) Properties of isosceles triangle
 - (b) Angle sum property
 - (c) Triangle inequality
 - (d) Pythagoras theorem
 - (e) Median, Centroid, Altitudes, orthocentre, Perpendicular bisectors, Angle bisectors of a triangle
7. Data Handling
 - (a) Arithmetic mean
 - (b) Median
 - (c) Mode
 - (d) Bar graph

2nd term

1. Exponents and powers
 - (a) Laws of Exponents
 - (b) Use of Exponents in Expressing large and small numbers
2. Linear equation in one variable
 - (a) Solution of linear equation in one variable
 - (b) Application of linear equation
3. Congruent triangles
 - (a) Congruence of Triangles
 - (b) Conditions of Congruence of triangles
4. Construction of triangles
5. Perimeter and Area
 - (a) Rectangular path
 - (b) Area of parallelogram, Triangle, Circle
 - (c) Circumference of circle
6. Symmetry
 - (a) Lines of symmetry of triangle, line segment, a ray, a line, and an angle
 - (b) Lines of symmetry of different types of quadrilaterals
7. Visualising Solids
Faces, Edges and Vertices of a solid

Social Science

Term 1 (SA1)

1st term

GEOGRAPHY :

- L – 1 Components of environment
- L – 2 The Earth and changes on it
- L – 3 The surface and interior of the Earth
- L – 4 Air around us

HISTORY :

- L – 9 Medieval period
- L – 10 The rise of small kingdoms in North India
- L – 11 The rise of small kingdoms in South India
- L – 12 Turkish Invasions in North India
- L – 13 Delhi Sultanate

CIVICS :

- L – 18 Democracy and Equality
- L – 19 Our State Governments
- L – 20 Media – The mainstay of Democracy Mapwork done in the class

TERM 2 (SA2)

GEOGRAPHY :

- L – 5 Water surrounding the Earth
- L – 6 Life on the Earth

L – 7 Human Environment (Settlement, Transport and Communication)

L – 8 Land and the people

HISTORY :

L – 14 Regional Powers

L – 15 The Mughal Empire

L – 16 Emergence of Independent States

L – 17 Major Religions

CIVICS :

L – 21 Advertising and Democracy

L – 22 Unpacking Gender

L – 23 Markets around us

Mapwork done in the class --x—x—x

Science

Term 1 (SA1)

TERM-1:

- 1. Ch-1 Nutrition in Living Organisms- Plants**
 - a. Autotrophic and Heterotrophic Nutrition
 - b. Photosynthesis
 - c. Other modes of nutrition in plants
- 2. Ch-2 Nutrition in Living Organisms- Animals and Man**
 - a. Mode of intake of food
 - b. Food habits of animals
 - c. Modes of nutrition
 - d. Nutrition in humans
 - e. Nutrition in Cud-chewing herbivore animals
 - f. Nutrition in Amoeba
- 3. Ch-3 Chemical Substances and Processes**
 - a. Chemical Symbols
 - b. Chemical formulae
 - c. Chemical changes
 - d. Chemical equations
 - e. Types of reactions
- 4. Ch-4 Acids, bases and salts**
 - a. Mineral acids and organic acids
 - b. Bases and Alkalis
 - c. Indicators
 - d. Neutralization and formation of salts
 - e. Classification of salts
- 5. Ch-5 Heat**
 - a. Heat as energy
 - b. Heat and temperature
 - c. Measurement of temperature
 - d. Modes of transfer of heat
- 6. Ch-6 Motion and time**

- a. Motion along a straight line
 - b. Speed
 - c. Uniform and non-uniform motion
 - d. Time
 - e. Graphs
7. **Ch-7 Respiration in organisms**
- a. Types of respiration
 - b. Respiration in plants
 - c. Respiration in animals
 - d. Respiration in humans
8. **Ch-8 Transportation in plants and animal**
- a. Transportation in plants
 - b. Transpiration in plants
 - c. Transportation in animals
 - d. Excretion in animals
9. **Ch-15 Forest**
- a. Components of a forest
 - b. Life in a forest
 - c. The layers of the forest
 - d. Importance of forests
 - e. Deforestation and its consequences
 - f. Some common trees in India

TERM-2

1. Chapter 9:

REPRODUCTION IN PLANTS

- 1) Types of reproduction in plants- asexual and sexual
 - a) Asexual reproduction- Budding, Fragmentation, Spore Formation, Vegetative propagation
 - b) Sexual reproduction- Unisexual and Bisexual flowers, Fertilization.
- 2) Seed Dispersal

2. Chapter 10 : SOIL

- a) Soil formation
- b) Soil Profile
- c) Properties of Soil
- d)Composition of Soil
- e) Soil as Resource
- f) Soil and Crops
- g) Soil Erosion- causes and prevention.

3. Chapter 11:

ELECTRIC CHARGES AT REST

- a) Uncharged and Charged objects
- b) Conductors and Insulators
- c) Kinds of charges in Nature
- d) Earthing

- e) Methods of charging up
- f) Lightning conductor
- g) Safety precautions during lightning
- h) Advantages of Lightning

4. Chapter 12: LIGHT

- a) Laws of reflection
- b) Image formation
- c) Multiple Images
- d) Spherical Mirrors
- e) Images formed by Concave and Convex mirror
- f) Practical uses of Mirrors

5. Chapter 13 :

WEATHER, CLIMATE AND ADAPTATION OF ANIMALS

- a) Weather and it's elements
- b) Climate and it's elements
- c) Climatic zones of India
- d) Climate and adaptation with reference to the Polar regions and Tropical rain forest.

6. Chapter 14

FABRIC FROM FIBRE

- a) Animal fibres- Wool and Silk
- b) Making Wool from fleece
- c) Obtaining Silk from silk moth

7. Chapter 16 : WATER

- a) Water on Earth
- b) Scarcity of Water
- c) Water Management
- d) Waste water Management

8. Chapter 17 :

ELECTRIC CURRENT AND ITS EFFECTS

- a) Heating effect of Electric current- advantages and disadvantages, electric fuse.
- b) Magnetic effect of Electric current- electromagnet and its practical uses, electric bell.

English

Term 1 (SA1)

TERM-I

ENGLISH LITERATURE

- Ch-1 Monkey Trouble (Prose)
- Ch-2 Birdie, Will You Pet? (Poem)
- Ch-3 A Hero (Prose)
- Ch-4 Fight, Manju, Fight! (Prose)
- Ch-5 I Dream a World (Poem)

GRAMMAR (ENGLISH PRACTICE BOOK)

- Ch-1 Articles
- Ch-2 The Sentence
- Ch-3 The Compound Sentence
- Ch- 8 Reported Speech
- Ch-10 Perfect Progressive tense

WRITING SKILLS

1. Informal Letters
2. Notice Writing
3. Message Writing
4. Article Writing (Refer English Reader Book)

ENGLISH READER

Unit-1 People at Work

- No work is Small or Big
- Role of Teacher in Student's Life

Unit-2 Relationships

- Importance of Grandparents
- Value of Friendship

Unit-3 Attitude

- Attitude is Everything
- Courage Beyond Understanding

TERM-II

ENGLISH LITERATURE

- Ch-6 Stone Soup in Bohemia (Prose)
- Ch-8 The Spider and The Fly (Fable)
- Ch-9 The Human Robot (Prose)
- Ch-11 Chocolates in Your Dreams Too (Play)

GRAMMAR (ENGLISH PRACTICE BOOK)

Ch-4 Phrases and Clauses

Ch-6 Modals

Ch-7 Passive Voice

Ch-9 Future Time Reference

Ch-11 Linkers

WRITING SKILLS

1. Formal Letters

2. E-Mail Writing

3. Message Writing

4. Article Writing (Refer English Reader Book)

ENGLISH READER

Unit-4 Achievers

- Courage and Bravery
- The Seed of Achievement Lies in the Human Mind

Unit-5 The Future World

- My Dream world

Unit-6 Unity in Diversity

- Importance of Unity
- Varied People, Varied Cultures But One Humanity

ह िंदी पाठ्यक्रम

पुस्तकें – ज्ञानसागर तथा अभ्याससागर

प्रथम सत्र :

ज्ञानसागर

पाठ -1 बारहमासा

पाठ -2 नाटक में

नाटक

पाठ -3 नममला सांंप

और सलपाठ -4 बातूनी

पाठ -6 समय

पाठ -7 स्कूल की छु

रिियाँ पाठ -8 एवरे

स्ट की चुनौती पाठ -9

सवाल का जवाब अभ्यास

सागर

पाठ -1 सांयुक्त व्यांजन

पाठ -2 अनुस्वार एवां

अनुनासक पाठ -3 सांज्ञा व

भेद

पाठ -4 उपसगम – प्रत्यय

पाठ -6 नवसगम नवन्हन

पाठ -7 सवमनाम व भेद

पाठ -8 नवशेषण व

भेद पाठ -9 रििया

व भेद

रिित्तीय

सत्र

ज्ञानसागर

पाठ -11 उस रात की

बात पाठ -12 दोहे

पाठ -13 साहस को

सलाम पाठ -15

अन्नदाता कृषक पाठ -

16 देशभक्त पुरु पाठ -

17 काकी

पाठ -18 बाल -लीला और कुं डनलयाँ

पाठ -19 गणेशोत्सव

पाठ -20 कममवीर

अभ्यास सागर

पाठ -11 निया नवशेषण

व भेद पाठ -12 नवनवध

शब्द प्रयोग पाठ -13 काल व

भेद

पाठ -15 रचना के आधार पर शब्द भेद (रूढ़, यौनगक और

योगरूढ़) पाठ -16 सांयुक्त निया एवां रांजक

निया

पाठ -17 उत्पत्ति के आधार पर शब्द भेद(तत्सम, तद्भव,

देशज और आगत) पाठ -18 अनुप्रास अलांकार

पाठ -19 नवराम

नचन्हन पाठ -20

कारक

Ved path

प्रथम वानषमक पाठियम

पाठ 1 से 10 तक सभी प्रश्न

उिर सभी आयम समाज के

नयम

पाठ 1 ,4, 7 के भजन

नित्तीय वानषमक पाठियमि

पाठ 11 से 22:00 तक सभी प्रश्न उिर भजन आएं

गॆ सभॆी आयम समाज कॆ ननयम आऱां गॆ

हिषय-सिंस्कृ त

प्रथम सत्र

पाठ -1 बुद्धि णिं

अस्मार्किं बलम्

व्याकरणकायय

शब्दरूप - अस्मद् , युष्मद्

धातुरूप - अस् , कृ, गम्, (लट्, लृट्, लोट्, लङ्)

नचत्ररचना , कारक (नवभक्तवत्तनचन्ह)

सांख्या- 1 से 25

पाठ -2 अभ्यास णिपरमो

गुरूः

व्याकरणकायय

अव्ययपद

उपसगम

पाठ -3 उपकारकाः

िर्क्षः

व्याकरणकायय

शब्दरूप - नदी, अस्मद् , युष्मद्

धातुरूप - पठ्, नम्, ििीड् (लट्, लृट्, लोट्,
, लङ्)

अपनठत गद्ाांश

अव्यय - अत्र, तत्र, यदा, तदा, अनप, अधुना

पाठ -4 आगच्छ भोजनिं कु

याप्रम् पाठ -5 यस्य

बुद्धि तस्य बलम्

व्याकरणकायय

सांनध - दीर्म

धातुरूप- (लृट्, लङ्)

शब्दरूप -नकम् , तत् (तीनों

नलांगो में) नचत्ररचना, अनुवाद

प्रत्यय - क्त्वा, ल्यप्, तुमुन्

पाठ -6

सुचिनाह

न

व्याकरणक

ायय

उपसगम - आ, अनु, उप, नव

उपपदनवभक्तक्त - नितीया, तृतीया(आनभतः, पररतः, उभयतः,

नवना, गम्,

रक्ष, सह, अलम्,

अङ्गनवकार) पत्रलेखन ,

अनुवाद

नितीय - सत्र

पाठ-7 बुद्धिऐ

उत्तमा

व्याकरणकायय

शब्दरूप - इदम्, एतत्, यत्, नकम् (तीनों

नलांगो में) धातुरूप - कृ, दृश्, दा, नी

सांनध - दीर्म, गुण

सांख्या- 25 से 75

तक। नचत्रवणमन

पाठ -8 अहिकः

परमापदां पदम्

व्याकरणकायय

शब्दरूप - मातृ, नपतृ

धातुरूप- पा, स्था(लट्, लृट्, लोट्, लङ्)

सेव धातु (लट् लकार)

पत्रलेखन, अनुवाद

पाठ -9 बुद्धिमान् गोपालकूः

व्याकरणकायय

उपसगम - उप, ननर्, नव, प्रा, अनभ, सु

सांनध - वृक्ति सांनध, यण् सांनध

उपपदनवभक्तक्त - सह, दा, रूच, बनह, नवना, अनभतः, पररतः,

अलम् पत्र, अनुवाद

पाठ -10 मधुर चिनाहन

व्याकरणकायय

सांख्या - 75 से 100

तक। प्रत्यय - क्त्वा, ल्यप्,

तुमुन्

सांनध , उपपदनवभक्तकृत, पत्रलेखन, अपनठत गद्ांश,
नचत्र रचना।

Computer Syllabus

First Term

Chapter 1 - The Evolution of Computers

Chapter 2 - Scratch -I

Chapter 3 - Scratch - II

Chapter 4 - Introduction to GIMP

Second Term

Chapter 5 - GIMP Tools

Chapter 6 - Advanced Gimp

Chapter 7 - Basics of Internet

Chapter 8 - Internet and Web Services

G.K. Syllabus

First Term

Page No. 1 to 46 , Current Affairs

Second Term

Page No. 48 to 96 , Current Affairs

