



Ganga International School

Class – VIII

ENGLISH

1. Unseen comprehension
2. Application
3. Paragraph writing
4. Formal/ Informal letters
5. Prepositions
6. Modals
7. Verbs
8. Tenses
9. Voices (Active, Passive)
10. Punctuations
11. Adjectives, Adverbs, Nouns, Pronouns

SCIENCE

1. Nutrition in plants: - Nutrition and its type. Autotrophic nutrition in plants. Heterotrophic nutrition, Saprotrophes . Replenishing Nutrients in the soil.
2. Nutrients in Animals: - Nutrition in Amoeba. Hydra and frog. The human digestive system. Ruminants.
3. Structure of matter: - What is matter made up of? Elements and Components, Mixtures, Methods of chemical communication- symbols, formulae and chemical equations.
4. Heat and its effects: - What is heat? Effects of heat. Expansion in fields, Liquids and Gases. Importance and its measurements.
5. Acid, Bases and Salts: - Acid and bases- their important properties. The preparation and uses of salts.
6. Chemicals and Chemical changes: - Physical and chemical changes. Characteristics of chemical reduction. Types of chemical reactions. Separations of solid from a solution.
7. Weather, Climate and Adaption: - Weather, Climate, Effect of Sun on Climate, Climate and adaptation.
8. Soil: - Composition of soil, Formation of soil. Soil profile, Types of soil, Properties of soil.
9. Respiration: - Respiration in plants, Respiration in animals, The respiratory system in humans.
10. Transportation of materials in plants and animals: - Transportation of materials in plants, Transportation of materials in animals, Excretion in animals.
11. Motion and Time: - Measurements of time. Speed, Uniform motion, Non- Uniform motion. Distance time graph.
12. Light: - Rectilinear proportion of light, Reflection of light. Real and virtual images, Spherical mirrors, Lenses, Spectrum.
13. Electric current and its effects: - . Electric current and circuit, Effects of Electric current, The Electromagnet.
14. Water and natural resource: - Our natural resources, Renewable and Nonrenewable Resources, Water and renewable resources, Shortage of water. States of water, The water cycle, Ground water, Water conservation.
15. Our Forests: - Forest Wealth, Producers, Consumers and decomposers, Food chain, Balance in nature. Forest conservation.

MATHEMATICS

1. Number System:-

- a) Integers: Addition, Subtraction, Multiplication and Division of integers, Representation on number line, Comparison of integers, Word problems based on integers.
- b) Decimals and Fractions: Addition, Subtraction, Multiplication and Division of Decimals and Fractions, Comparison of number, Word problems, Conversion of units, Representation on number line.
- c) Rational numbers:- Addition, Subtraction, Multiplication and Division, Comparison, Reducing in lowest form, Equivalent rational numbers, Representation on number line, Finding rational numbers between two rational numbers.

2. Algebra:-

- a) Simple equation: linear equation in one variable, Equation formation, Solution finding by trial and error method, temporary method.
- b) Algebraic expression:- Problems based on polynomial formation, Identification, Addition of Polynomials, finding value: Polynomial for some value given.

3. Geometry:-

- a) Lines and angles:- Median, altitude, Vertically opposite angles, Linear equation, Supplementary and Complimentary angles, adjacent angles, Parallel || lines and properties about angles two parallel lines are making. Alternate interior and exterior angle, Corresponding angles, Consecutive interior and Exterior angles.

- b) Triangle and its properties: Angle Sum property of triangle, integrity property of triangle, Pythagoras Theorem. Exterior angle= Sum of interior opposite angles of a triangle.

4. Construction of Angles, Congruence of triangles.

5. Data Handling: - Mean, Mode, Medians, Rectangle, Single and double bar graph.

6. Mensuration: - Perimeter, Circumference, Area of a Square, Rectangle, Circle, Semi-circle. Area of Rhombus, Word Problems based on above concepts.

7. Comparing quantities:- Conversion into % of decimal, Fractions whole numbers, Word problems based on %, Word problems based on CP, SP, Profit % and Loss %, SI and Amount.

8. Exponents and Power: - Exponential laws based problems, Write numbers in Exponential form, Writing numbers in standard form.

9. Symmetry: - Line symmetry of figure and polygon, Rotational symmetry of polygon or figure.

HINDI

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| 1 भाषा | 11 वाक्य विचार |
| 2 वर्ण विचार | 12 शब्द रचना |
| 3 शब्द विचार | 13 मुहावरे |
| 4 संज्ञा | 14 पत्र लेखन |
| 5 संज्ञा के विकारक तत्व | 15 अनुच्छेद |
| 6 सर्वनाम | 16 अपठित गद्यांश |
| 7 विशेषण | |
| 8 क्रिया | |
| 9 क्रिया विशेषण | |
| 10 संधि | |