



Awasiya Rajkamal Concept School

Science

Ch-1 Nutrition in Plants

Topics: - Modes of nutrition in plants, photosynthesis, Insectivorous plants saprotropha

Ch-2 Nutrition in Animals

Topics: - Different way of taking food, Digestion in humans Ruminants, Amoeba

Ch-3 Fiber to Fabric

Topics: - Animal fibers, Life history of silk moth.

Ch-4 Heat

Topics:- Hot & Cold, Measuring temperature Transfer of heat, conductor & insulators. Conduction, Convection & Radiation

Ch-5 Acids, Bases and salts

Topics: - Acids and Bases, indicators, Neutralization.

Ch-6 Physical & Chemical changes

Topics: - Physical & chemical changes. Rusting of Iron Galvanization, Crystallization,

Ch-7. Weather, Climate and Adaptations of animals to climate.

Topics: - Weather, Climate, Adaptation in Animals & Plants

Ch-8 Winds, Storms & cyclones

Topics: - Air pressure, Thunderstorms & cyclone safety measures

Ch-9 Soil

Topics: - Importance of soil, soil profile, soil types , properties of soil

Ch-10 Respiration in organisms

Topics: - Respiration & its types, Breathing Human respiratory system, Breathing in Animals

Ch-11 Transportation in Animals & plants.

Topics: - Circulatory system in human, Heart Artery, Veins, Excretion in Animals, Transportation in plants.

Ch-12. Reproduction in plants

Topics: - Modes of reproduction, Fertilization seed dispersal

Ch-13. Motion and Time

Topics: - Slow & fast motion, speed, measurement of time, units of speed & time, Distance time graph, uniform motion

Ch-14. Electric current and its effect

Topics: - Symbols of electric components, Heating effect of electric current, Magnetic effect of electric current

Ch-15. Light

Topics: - Reflection of light, Image, subject lateral inversion, spherical mirrors, Lenses.

Ch-16. Water & Forest

Topics: - Forms of water, Sources of water, Distribution & management of water, Importance of water.

Importance of forest types of plants, Environment soil erosion etc.

SST

1. Our past (History)

- ❖ In this subject you have to cover about –
 - New kings and kingdoms
 - The Delhi Sultans
 - The Mughal Empire
 - Tribes, Nomads and settled communities
 - Devotional Paths to the Divine
 - The making of regional cultures
 - Eighteenth- Centaury political formation

2. Geography

- ❖ In this subject , you have to study about-
 - Environment
 - Inside our earth and changing the earth
 - Air and water
 - Natural vegetation and wildlife
 - Human environment- settlement, Transport and communication
 - The tropical and the subtropical Region
 - Life in the Deserts

3. Civics

- ❖ In this subject you have to study about-
 - Equality in Indian Democracy
 - State Government
 - Gender
 - Media
 - Markets

Hindi

- **Grammar:-**
 - हिन्दी भाषा – स्वरूप, क्षेत्र एवं महत्व– परिभाषा , भाषा का स्वरूप , हिन्दी भाषा परिवार अन्य आधुनिक भारतीय आर्य भाषाएँ, क्षेत्र एवं बोलियाँ, भाषा और व्याकरण
 - वर्ण विचार– परिभाषा, भेद स्वर एवं व्यंजन का उच्चारण स्थान, संयुक्त एवं तल बिन्दु वाले व्यंजन , अल्पप्राण एवं महाप्राण व्यंजन, घोष एवं अघोष वर्ण, व्यंजन गुच्छ एवं द्वित्व व्यंजन
 - वर्तनी – नियम एवं त्रुटि– शोधन
 - विराम चिह्न – संपूर्ण जानकारी एवं प्रयोग
 - शब्द विचार – परिभाषा एवं भेद, तत्सम, तद्भव, देशज एवं विदेशज ।
 - संज्ञा लिंग एवं वचन संपूर्ण अध्ययन
 - कारक– संपूर्ण अध्ययन
 - सर्वनाम , विशेषण, क्रिया एवं वाच्य संपूर्ण अध्ययन
 - काल– परिभाषा भेद एवं उपभेद



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- अव्यय- परिभाषा एवं भेदों का संपूर्ण अध्ययन
- पर्यायवाची, श्रुतिसम भिन्नार्थक शब्द, विलोम शब्द अनेक शब्दों के लिए एक शब्द ,ऊनार्थक शब्द मुहावरे एवं लोक्तियाँ
- वाक्य विचार- परिभाषा, भेद एवं उपभेद
- निबंध लेखन
- आवेदन पत्र एवं पत्रलेखन
- कहानी लेखन

Math

1. Integers
2. Fractions
3. Decimals
4. Rational Numbers
5. Exponents
6. Algebraic Expressions
7. Linear Equations in One Variable
8. Ratio And Proportion
9. Unitary Method
10. Percentage
11. Profit and Loss
12. Simple Interest
13. Lines and Angles
14. Properties of Parallel Lines
15. Properties of triangles
16. Congruence
17. Constructions
18. Mensuration
19. Probability

Reference Book:- R.S. Agrawal-7