

BASIC SCIENCE

JUNIOR SECONDARY SCHOOL (JSS 2)

FIRST TERM

| WEEK | TOPICS/CONTENTS |
|-------------|---|
| 1. | LIVING THINGS - HABITAT I. Definition of Habitat II. Types of Habitat, e. g. Aquatic, Terrestrial and Arboreal (Water, Land and Air) and Examples. |
| 2. | ADAPTATION OF LIVING THINGS TO THEIR HABITAT I. Various Adaptive II. Features of Living Things in their Habitat |
| 3. | RELATIONSHIP BETWEEN ORGANISMS IN THE SAME HABITAT Characteristics of Organisms in the same Habitat and what they have in Common |
| 4. | UNIQUENESS OF HUMAN BEINGS I. Reasoning II. Problem Solving III. Inquisitiveness IV. Observation V. Measurement VI. Inference |
| 5. | MEASUREMENT OF GROWTH AND DEVELOPMENTAL CHANGES Growth changes in Height, Weight and Size. |

6. HUMAN DEVELOPMENT I

Developmental Changes:

- I. Infancy
- II. Adolescents
- III. Adulthood
- IV. Characteristics Features of Stages of Development

7. – 8. HUMAN DEVELOPMENT II

- I. Classification of Growth and Developmental changes as Temporary/Permanent
- II. Factors that affect Growth and Development

9. BODY IMAGE I

- I. Meaning of Body Image
- II. Physical Features, Size, Height, Race, Ethnicity, Color of Skin, Eyes and Hair

10. BODY IMAGE II

Pubertal and Body Image:

- I. Effect of Pubertal changes on Body Image and Behavior
- II. Misconceptions about Beauty as presented in the Media
- III. Individual Uniqueness

11. | 12. REVISION AND EXAMINATION

BASIC SCIENCE

JUNIOR SECONDARY SCHOOL (JSS 2)

SECOND TERM

| WEEK | TOPICS/CONTENTS |
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| 1. | REVISION OF LAST TERM'S WORK Work, Energy and Power I. Meaning of Work, Energy and Power II. Concept of Work, Energy and Power III. Forms of Energy – Heat, Light, Kinetic, Potential, etc. |
| 2. | POTENTIAL AND KINETIC ENERGY I. Meaning of Potential and Kinetic Energy II. Calculate Kinetic and Potential Energy |
| 3. | CALCULATION INVOLVING WORK DONE |
| 4. | ENERGY TRANSFER WHEN WORK IS DONE |
| 5. | FAMILY LIFE EDUCATION I I. Communication Techniques II. Importance of Honest Communication about Pubertal concerns to Responsible Parents |
| 6. | FAMILY LIFE EDUCATION II |

- I. Life Span Continuum
- II. Expressions of Feeling Desires and Fantasies from Birth to Death
- III. Factors that Influence Individual Sense of Self – Worth (BodyImage)

7. | 8. KINETIC THEORY

The Assumptions of the Kinetic Theory

9. EXPLANATION OF SOME PHENOMENA USING KINETIC THEORY

Explain the Molecular Structure of Solids, Liquids and Gases using the Kinetic Theory

10. BOILING AND EVAPORATION

- I. Explanation of Boiling and Evaporation using Kinetic Theory
- II. Factors that affect Evaporation

11.– 12. REVISION AND EXAMINATION

BASIC SCIENCE

JUNIOR SECONDARY SCHOOL (JSS 3)

THIRD TERM

| WEEK | TOPICS/CONTENTS |
|-------------|---|
| 1. | REVISION |
| 2. | THERMAL ENERGY – I Heat Flow THERMAL ENERGY – II Heat Transfer – Conduction, Convection and Radiation |
| 3. | REPRODUCTIVE HEALTH I. Genetic Counseling II. Breast Feeding and Its Advantages III. Myths about Breast feeding |
| 4. | ABSTINENCE I. Meaning of Abstinence II. Types of Abstinence - Life Long, Delayed, Periodic Abstinence III. Skills and Behavior that Promotes Abstinence IV. Reasons why Young People must Abstain from Pre – Marital Sex V. Reasons why Young People engage in Pre – Marital Sex VI. Facts and Myths about Sexual Abstinence |
| 5. | CHEMICALS |

- I. Meaning of Chemicals
- II. Classes of Chemicals
 - a. Based on Use - Pharmaceutical/Cosmetics, Nuclear, Agrochemicals, Industrial and Laboratory
 - b. Based on Hazardous Nature – Highly Hazardous and Toxic, Moderately Hazardous and Toxic, Non Hazardous and Toxic

6. CHEMICALS - SAFETY MEASURES

Safety Measures when Using Chemicals

- I. Adhere to the Manufacturer's Safety Instructions
- II. Follow Safety Guidelines for Chemical Storage and Handling
- III. Observe and Adhere to Safety Signs and Instructions on Chemical Packages
- IV. Ensure Proper Labeling and Storage of Chemicals

7. | 8. DRUG ABUSE

- I. .Meaning of Drug and Drug Abuse
- II. Methods of Drug Use, e. g. Inhaling, Injection, Smoke, etc.
- III. Common ways of Misusing Drugs
- III. Social Risks Factors in Drug Abuse, e. g. Broken Home, Peer Influence
- IV. Desperate move to get More Drugs

9. CRUDE OIL AND PETROCHEMICALS I

- I. Meaning of Crude Oil and Petrochemicals
- II. Refining of Crude Oil

10. CRUDE OIL AND PETROCHEMICALS II

- I. Uses of Crude Oil and Petrochemicals

II. Importance of Crude Oil and Petrochemicals

11. | 12. REVISION AND EXAMINATION