

BASIC SCIENCE

JUNIOR SECONDARY SCHOOL (JSS 1)

FIRST TERM

WEEK	TOPICS/CONTENTS
1.	LIVING AND NON LIVING THINGS – I I. Meaning, Identification and Classification of Matter II. Define Matter, States of Matter
2.	LIVING AND NON LIVING – II I. Characteristics of living and Non Livings II. Examples, Characteristics and Importance of Plants and Animals
3.	LIVING AND NON LIVING THINGS – III I. Differences between Plants and Animals II. Examples, Properties, Uses and Importance of Living and Non Living
4.	LIVING AND NON LIVING THINGS – IV I. Classification of Non Living into Metals and Non Metals II. Examples, Properties, Uses and Importance
5.	HUMAN DEVELOPMENT I. Meaning of Puberty and Adolescence II. Puberty/Adolescent Changes – Physical, Social and Emotional Changes

- III. Personal Hygiene
- IV. Menstruation, Menstrual Cycle and Menstrual Hygiene – Myths and Facts about Pubertal Changes in Boys and Girls
- V. Coping with concerns at Adolescence Pubertal Changes and Emotional Development

6. FAMILY HEALTH – I

Define Sanitation and Explain its Importance and Methods used.

7. – 8. FAMILY HEALTH – II

- I. Define Nutrition
- II. Explain Balance Diet and Give Examples
- III. List the Classes of Food with Examples
- IV. Plan an Adequate Diet for a Home.

9. FAMILY HEALTH – III

- I. Meaning of Drug, Drug and Substance Abuse, Addiction and Misuse
- II. Examples and Sources of Drugs
- III. Uses and Side Effects of Drugs

10. REPRODUCTIVE SYSTEM

- I. Male Reproductive Organs – Internal and External
- II. Functions and Cares of Male and Female Reproductive Organs

11. REVISION

12. – 13. REVISION AND EXAMINATION

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SECOND TERM

WEEK	TOPICS/CONTENTS
1.	REVISION OF LAST TERM’S WORK I. Male Reproductive Organs – Internal and External II. Functions and Cares of Male and Female Reproductive Organs
2.	ENVIRONMENTAL POLLUTION – I I. Definition of Air, Soil and Water Pollution II. Causes of Air, Soil and Water Pollution, e.g. Domestic/industrial Waste, Fertilizer/ Insecticides <ul style="list-style-type: none">• Agricultural• Chemical• Non – biodegradable• Oil Spillage
3.	ENVIRONMENTAL POLLUTION – II I. Consequences of Pollution such as Respiratory Tract Infection II. Water Borne Disease III. Destruction of Soil Organisms and Poor Plant Yield. IV. Control Measures

4. SEXUALLY TRANSMITTED INFECTIONS (STIs)

- I. Definition of STIs
- II. Transmission of STIs
- III. Signs and Symptoms of STIs
- IV. Effects of STIs, prevention of STI (Responsible Sexual Behavior, Avoid the Use of Unscreened Blood, Unsterilized Injection, Needles and Clippers)
- V. Behaviors that put People at Risk
- VI. Finding help

5. HIV/AIDS – I

- I. Meaning
- II. Difference between HIV/AIDS
- III. Mode of Transmission,
- IV. Behaviors that put People at Risk
- V. Prevention of HIV

6. HIV/AIDS

- I. Counseling and Testing
- II. Care and Support
- III. Myths and Facts about HIV/AIDS

7. – 8. ENERGY

- I. Meaning of Energy

- II. Sources of Energy
- III. Forms of Energy
- IV. Transformation of Energy
- V. Uses of Energy

9. RENEWABLE AND NON RENEWABLE ENERGY

- I. Meaning
- II. Examples
- III. Uses and Misuse
- IV. Describe how Energy Generation affects Quality of Life

10. ENERGY AND SOCIETY

- I. Energy for Working and Operating Appliances, Seeing, Walking, Playing, Cooking, etc.
- II. Energy from Hydro – Electricity for Electric Supply
- III. Solar Energy Generates
- IV. Heat Energy for Drying
- V. Light Energy for Photosynthesis

11. – 12. REVISION AND EXAMINATION

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THIRD TERM

WEEK	TOPICS/CONTENTS
1.	REVISION OF LAST TERM'S WORK HUMAN REPRODUCTION – I I. Meaning of Menstruation, Menstrual Hygiene, Cleanliness during Menstruation II. Ovulation, Signs of Ovulation and the difficulty in predicting the Ovulation Period III. Fertilization and Conception.
2.	HUMAN REPRODUCTION – II I. Explain pregnancy II. Symptoms of Pregnancy and where to get help III. Growth of the Foetus (Stages, from Growth to Birth)
3.	FORCES I. Meaning and Types of Forces II. Contact and Non – Contact Forces III. Magnetic and Gravitational Force
4.	CALCULATIONS OF GRAVITATIONAL FORCE

- I. Balance and Unbalanced Forces
- II. Friction – Uses, Advantages and Disadvantages

5. SPACE TRAVEL

- I. Meaning and Purpose of Space Travel
- II. Benefits and Dangers of Space Travel

6. GRAVITATION AND WEIGHTLESSNESS

- I. Explain Gravitation and Weightlessness
- II. Effects of Gravitation on Objects
- III. Demonstrate the Effect of gravitational Pull on Objects

7. – 8. EARTH IN SPACE

- I. The Solar System (Identify the Components of the Solar System)
- II. Rotation and Revolution of the Earth and Moon
- III. Description of Eclipse and Seasons

9. SATELLITES

- I. Meaning of Satellites
- II. Uses of Satellites – Communication, Photography, Mapping, Geographical Information System (GIS)

10. CONSEQUENCES/IMPLICATION OF TEENAGE PREGNANCY

- I. Physical, Social and Emotional Implication.
- II. Effects of Drugs and Self Medication during Pregnancy.
- III. Effects of Drugs Abuse on Pregnancy
- IV. Causes and Consequences of Birth defects
- V. Myths and Facts about Teenage Pregnancy
- VI. Finding Help

11. – 12. REVISION AND EXAMINATION