

BASIC SCIENCE

JUNIOR SECONDARY SCHOOL (JSS 3)

FIRST TERM

WEEK	TOPICS/CONTENTS
1.	DRUG AND SUBSTANCE ABUSE – I I. Effects of Drugs Abuse e.g. Stomach Upset, Damaged Nostril and Lungs, Skin Rashes, Injection Abscesses II. Prevention of Drug Abuse - Inculcation Coping Skills, Healthy Lifestyle, Positive Social Interactions.
2.	DRUG AND SUBSTANCE ABUSE – II I. Activities of Drug Control Agencies – NAFDAC, NDLEA, etc. II. Misuse of Herbal Medicine
3.	FAMILY TRAITS I. Family traits – Skin, Color, Height, Albinism, etc. II. Meaning of Dominant and Recessive Traits III. Importance of Family Traits – Intelligence, Diseases, Resemblance, Family Genealogy.
4.	ENVIRONMENTAL HAZARD I – I SOIL EROSION I. Definition of Soil Erosion II. Causes of Soil Erosion III. Control of Soil Erosion

5. ENVIRONMENTAL HAZARD - II

BUSH BURNING

- I. Practices that influence Bush Burning
- II. Effects of Bush Burning including Economic Consequences
- III. Regulations against Bush Burning

6. ENVIRONMENTAL HAZARD - III

FLOODING

- I. Drainage Patterns
- II. Causes of Flooding
- III. Prevention of Flooding
- III. Effects of Flooding on Community and Farmland

7. | 8. ENVIRONMENTAL HAZARD IV - DEFORESTATION

- I. Reasons for Deforestation, e.g. Commercial and Domestic Firewood
- II. Effects on the Environment
- III. Regulations on Deforestation

9. ENVIRONMENTAL HAZARD V - DESERTIFICATION

- I. Define Desertification and Its Effect
- II. Identify Geographical Zones Prone to Desertification
- III. Causes such as Overgrazing, Bush Burning, Cutting Trees for Firewood, etc.
- IV. Control Measures

10. ENVIRONMENTAL HAZARD - VI

DEPLETION OF OZONE LAYER AND ITS EFFECT

- I. Description of Ozone Layer and Its Location in the Atmosphere
- II. Importance of Ozone Layer

- III. Effects of Depletion of Ozone Layer e.g. Global Warming, Green House Effect, Ice Melting and Flooding.
- IV. Control Measures
- V. Regulation on Use of Chlorofluorocarbon - CFC
- VI. Reduce Bush burning and Control in Household Activities

11. | 13. REVISION AND EXAMINATION

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SECOND TERM

WEEK	TOPICS/CONTENTS
1.	RESOURCES FROM LIVING THINGS I. Examples of Plant Sources e. g. Cash and Food Crops,Dye and Drugs II. Examples of Animal Sources, e. g Hides and Skin,Dairy Product
2.	ECONOMIC IMPORTANCE OF RRESOURCE FROM PLANTS AND ANIMALS I. Importance to Self II. Importance to Society
3.	RESOURCES FROM NON LIVING THINGS Examples – Solid Minerals like Limestone, Coal,Gold,Tin, etc.
4.	RESOURCES FROM NON LIVING THINGS - LOCATION IN NIGERIA ANDTHEIR IMPORTANCE I. Location of solid minerals in Nigeria II. Economic Importance
5.	LIGHT ENERGY I. Reflection II. Refraction III. Vision IV. Dispersion and Rainbow

6. SOUND ENERGY

- I. Production of Sound
- II. Transmission of Sound
- III. Reflection of Sound
- I. Hearing

7. | 8. MAGNETISM

- I. Load Stone
- II. Law of Magnetism
- III. Magnetic Poles and Magnetic Fields
- IV. Care of Magnets

9. ELECTRICAL ENERGY

- I. Flows of electrons
- II. Circuits and Parallel
- III. Fuses and Circuit Breaker
- IV. Electric Meter Reading and Billing

10. SKILL ACQUISITION

- I. Meaning of Skill Acquisition
- II. Reasons for Skill Acquisition e. g. Taking Risks, Decision Making, Managing Emergency Situation, Survival Strategy, Learning to Live together.
- III. Types of Skill- Farming, Basic Computer Literacy, Photography, Internet Browsing, Desktop Publishing and Networking, etc.
- IV. Importance of Skill Acquisition e.g. Improved Quality of life appreciating Human Capability, etc.

11. REVISION

12. | 13. EXAMINATION

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THIRD TERM

WEEK	TOPICS/CONTENTS
1.	FAMILY LIFE EDUCATION - I I. Implication of Teenage Pregnancy II. Myths and Facts about Pregnancy
2.	FAMILY LIFE EDUCATION II I. Definition and Types of Abortion II. Reasons for Abortion II. Unsafe Abortion and Consequences IV. Ways of preventing Abortion V. Where to get help
3.	RADIOACTIVITY I. Meaning of Radio Activity II. Radioactive Elements III. Types of Radiation and Properties IV. Uses of Radioactivity V. Dangers of Radioactive Rays
4.	ETHICAL ISSUES IN SCIENCE AND DEVELOPMENT I. Meaning and Wrong Application of Science

- II. Implications of Bad Scientific Practices Destroy Individuals Life
- III. Adverse Effects on a Country

5. SIMPLE MACHINE

- I. Definition
- II. Uses of Simple Machine

6. REVISION

7. | 12. REVISION AND EXAMINATION