SCHEME OF WORK
Junior Secondary

SCHEME OF WORK FOR PHE
JSS 1

1ST TERM
1. Definition, nature, scope and objectives of physical education
2. Physical fitness and body conditioning programmes
3. Recreation, leisure and dance activities
4. Athletics

2ND TERM
1. Shot put
2. Ball games (soccer)
3. Volley Ball

3RD TERM
1. Contract and no-contact sports
2. Personal school and community health
3. Sewage and refuse disposal
4. Source of water
5. Food nutrition and health
6. Pathogens diseases and their prevention

SCHEME OF WORK FOR PHE
JSS 2

1ST TERM
1. Sports and Society
2. Human Trafficking
3. Sports Laws
4. Careers and branches of Physical and Health Education
5. Long Distance Races
6. Relay Races
7. Tennis Game
8. Accident and safety Education

2ND TERM
1. School Health Programme
2. Environment Pollution
3. Table Tennis Game
4. Posture and Postural Defects
5. Gymnastics
6. Basketball Game

3RD TERM
1. Recreation and Leisure
2. Hand ball Game
3. Consumer Health
4. Judo
5. Karate
6. Swimming
7. Non-Communicable Diseases

SCHEME OF WORK FOR PHE
JSS 3

1ST TERM
1. Violence in Sport
2. HIV/AIDS Education
3. Qualification and functions of specialists in physical and HEALTH EDUCATION,
4. Nigerian SPORTS HERPES Heroines and Professional and PROFESSIONALS
5. Javelin Throw
6. Field Hockey
7. Pole Vault

2ND TERM
1. Family life education
2. Physical and Health Education Agencies and Career opportunities
3. Ageing and Death Education
4. Drug use, Misuse and Abuse
5. Combined events (Pentathlon and decathlon
6. Physical fitness
7. Gymnastics
8. Common Sports Injuries and First Aid Procedures

3RD TERM
1. Nutrition for Special Groups
2. Taekwondo
3. Boxing
4. Wushu Kung Fu
5. Dance
6. Computer Games
7. Strokes in Swimming
8. Communicable Diseases
9. Non-Communicable Diseases

SCHEME OF WORK FOR BUSINESS STUDIES
JSS 1

FIRST TERM
1. Introduction to business studies
2. Objectives of business studies
3. Branches of business studies
4. What is an office? Types of office.
5. Advantages of a closed office
6. Disadvantages of closed office
7. Advantages of an open office
8. Disadvantages of open office
9. Source documents i.e. cheque, receipt, invoices, local purchase order, Why are cheques dishonored?
10. What is a ledger?
12. Terms associated with the ledger and double entry.

SECOND TERM
1. Business transaction
   Sales and purchase journals
   Cash and credit transactions
2. Returns inwards and outward journal and the tabular representations.
3. Simple cash book (Double entry)
4. Various departments in an organization
5. Qualities of a clerical staff

THIRD TERM
1. Production. Forms and types of industrial production.
2. Factors of production: Land, Labour, Capital, Entrepreneur
4. Relationship between producers and consumers.

SCHEME OF WORK FOR BUSINESS STUDIES
JSS 2

FIRST TERM
1. The receptionist
   Duties and qualities
   Telephone Etiquettes
   Items found in the reception
   Documents handled by the reception
2. Procedure for the receipt of mails
3. Filing of letters
   Reasons for filing documents
   Things that makes a filing system to be efficient
   Filing methods
   File classification
   Tips for a good filing practice
4. Simple cash book
5. Double column cash book
6. Double cash column book with contra entry

SECOND TERM
Three Column Cash book
Commercial bank
Origin
Functions
Current savings and fixed deposit accounts
Bank statement
Loan and overdraft
Trade discount
Sales discount
Cash
Quantity
Keeping Correspondence books and records
The Petty Cash book

THIRD TERM
Insurance
Meaning
Terms used in insurance
Types of insurance
Risks that cannot be insured

Advantages of Insurance

METHODS OF BUYING
1. Sample method
2. Inspection Method
3. Description and grade method
4. Auction method

TRADE
1. Meaning
2. Home and foreign trade
3. Visible Imports and Exports
4. Invisible imports and exports
5. Wholesale and Retail trade
6. Mail order business – Its advantages and disadvantage

DOUBLE ENTRY PRINCIPLE
1. Meaning

SCHEME OF WORK FOR BUSINESS STUDIES
JSS 3

FIRST TERM
1. Double entry (Ledger A/c) principle
2. Trial balance
3. Final accounts
   Meaning
   Terms used in final accounts
   Trading account
   Profit and loss account
4. THE BALANCE SHEET
   Meaning
   Assets and liabilities
   Fixed assets
   Current assets
   Long-term liability
   Current or short-term liability
   Exercises
   Store records

SECOND TERM
Transportation
   Meaning
   Important
   Forms and means
   Types and importance
   Advertisement
   Meaning
   Types
   Method of advertising
   Media of advertisement
   Advantages and disadvantages
   Stock-taking
   Stock control
   The role of the wages office

THIRD TERM
1. Communication
2. Office equipment
3. Consumer protection
SCHEME OF WORK FOR AGRIC SCIENCE

JSSI

FIRST TERM

1. THE MEANING OF AGRICULTURE
   Importance of agriculture
2. THE ORIGIN OF AGRICULTURE
   Development of agriculture
   Areas of specialization in agriculture
   Agricultural products
   Classification of crop plants
   Uses of crop plants
3. FORMS OF CROP PLANTS
4. FORMS OF FARM ANIMALS
5. FORMS OF CROP PLANTS

SECOND TERM

CLASSES AND USES OF CROPS
Life span of crops
Uses of crops
2. CLASSIFICATION OF FARM ANIMALS
   Uses of farm animals
3. SIMPLE FARM TOOLS
   Hand tools and their materials
   Uses of farm tools

THIRD TERM

WEED
Uses and control of weed
Economic importance of weed
2. CROP PESTS
   Classification and control of crop pests
3. ECONOMIC EMPOWERMENT THROUGH AGRICULTURE
   Ways of economic empowerment
4. MARKETING OR AGRICULTURAL PRODUCT
   Meaning of marketing and market
   Types of agricultural market
   Problems of marketing agricultural
   Produce in Nigeria
   Marketing agent

SCHEME OF WORK FOR AGRIC. SCIENCE

JSS 2

FIRST TERM

1. Composition and properties of the soil
2. Farm structure and building layout
3. Importance of farm structure and layout
4. Introduction to farm machines
5. Uses and maintenance of farm machines
7. Advantages & Disadvantages of crop propagation
8. Types of cultural practices
9. Classification & uses of farm Animal
10. Uses of farm Animal continue

3. FORMS OF AGRICULTURE
   Crop farming
   Horticulture
   Apiculture
   Horticulture
   Fishery
   Agricultural practices

4. FORMS OF CROP PLANTS

SCHEME OF WORK FOR AGRIC. SCIENCE

JSS 3

FIRST TERM

Composition and Properties of the soil
Farm structures
Farm buildings
Sitting of School Farm and Layout of Farm Stead

SECOND TERM

Soil fertility and management
Feeds and feeding
Farming and Cropping Systems:
   Farming systems
   Cropping systems
   Crop rotation
   Fishery
   Other aquatic organisms
   Farm animal husbandry
   Management requirement in animal husbandry
   Soil conservation, methods factors of loss of soil fertility
   Effects of soil conservation on environment

THIRD TERM

Stock Exchange
Agricultural stock exchange
Importance of stock exchange in agriculture
People involved in stock exchange
Export promotion in agriculture in Nigeria
Nigeria export produce
Career opportunities in agriculture
Packaging criteria
Pricing and advertising
Records and book keeping

SCHEME OF WORK FOR HOME ECONOMIC

JSS 1

FIRST TERM

INTRODUCTION OF HOME ECONOMICS
A Meaning of home economics
B Areas of home economic
C Relationship of home economics to other subject

PUBERTY AND ADOLESCENCE
A Meaning of puberty and adolescence
B The signs of puberty in boys and girls
C The needs and challenges of the adolescent
D Hygiene guides for an adolescent
SEXUALLY TRANSMITTED INFECTIONS
A  Meaning of sexually transmitted infections
B  The causes of STD
C  The signs of STI
D  prevention of STI
E  HIV/AIDS

THE RIGHT OF A CHILD
A  Meaning of right
B  Types of right
C  Who a child is
D  The right of a child
E  Right violation and what to do

SECOND TERM
FAMILY NEEDS
A  Family needs, goals and standards
B  Meaning and types of family needs and wants
C  Meaning of family goals and standards

RELATIONSHIP AMONG FAMILY NEEDS
A  Goals and standards
B  Uses of family needs, goals and standard in resource management
C  Family resources and management

HEALTHY FEEDING PRACTICES
A  Healthy feeding practices
B  Healthy eating habits
C  Effects of unhealthy eating habits
D  Effects of unhealthy eating habits

FOOD ADDITIVES
A  Food additives, uses, misuses and detection
B  Food contaminants
C  Harmful substances that should not be consumed

DRUG ABUSE
A  Meaning of drug abuse
B  Effects of drug abuse in the body

THIRD TERM
RESOURCES
A  Meaning of family resources
B  Types of family resources
C  Importance of resources

DECISIONS MAKING
A  Meaning of decision making
B  Steps in decision making
C  Simple personal and family decisions

FOOD PURCHASING
A  Meaning of food purchasing
B  Meaning of food processing
C  Meaning of food preservation
D  Meaning of food safety

FOOD
A  Identification of perishable food
B  Identification of non perishable foods
C  Risk factors in purchasing

SCHEME OF WORK FOR HOME ECONOMIC
JSS 2

FIRST TERM
Sign of puberty
Hygiene and puberty
Adolescence
Sexually transmitted disease
Impact of family values on life styles
Human rights

SECOND TERM
Family conflict
Family crisis
Food and nutrition – food nutrients
Food hygiene and food preparation
Managing of family clothing
Household linen

THIRD TERM
Family house
Maintenance of family house
Seam and seam finishes
Edge finishes
Body measurement and pattern drafting
Introduction to textiles studies

SCHEME OF WORK FOR HOME ECONOMIC
JSS 3

FIRST TERM
1. Classes and properties of fibres
2. Manufacture, identification and uses of fabric
3. Basic element of design
4. Figure types
5. The sewing machine
6. Garment construction process-facing and hemming
7. Scientific study of foods

SECOND TERM
1. Meal planning
2. Buying and preservation of food
3. Food preparation methods
4. Marriage
5. Pregnancy and childbirth
6. Child development
7. Scientific study of foods
8. 

SCHEME OF WORK FOR CIVIC EDUCATION
JSS 1

FIRST TERM
1. Value definition
2. Meaning and objective
3. Values meaning and importance
SCHEME OF WORK FOR CIVIC EDUCATION
JSS 3

FIRST TERM
1. Illiteracy- meaning, causes, consequences and solutions
2. Right Attitude to Work- meaning, attributes, rewards and consequences of not having the right attitude to work
3. Negative Behaviour- meaning, effects and ways of promoting positive behavioural changes
4. National Population Census- meaning, importance and problems
5. Protection of Human Rights- meaning of human rights, types of human rights and appropriate steps for protection of human rights
6. Protection of the Rule of Law- meaning of rule of law, benefits of rule of law and protection of rule of law
7. Voter Education- importance of voting and process of voting
8. Elections- meaning and importance of election, electoral bodies; free and fair election; electoral malpractices and how to prevent them

SECOND TERM
1. Nigerian Constitution- functions of a constitution, features of the constitution; features of 1999 constitution; roles of citizens in constitutional development
2. Peace and Conflicts
3. National Economic Life

SCHEME OF WORK FOR SOCIAL STUDIES

FIRST TERM
2. Objectives & Importance of Social Studies.
3. Physical Environment: Meaning, Types and Features.
4. Resources in Our Environment and their Uses.
5. Environmental Problem, Causes, Effects and Solutions.
6. Social Environment: Meaning and Types; Primary and Group (Family) Types; Role and Responsibilities of Members.
9. Influence of Man in the Environment
SECOND TERM

1. Revision of Last Term’s Work
2. Socialization
   Meaning, Significance & Processes.
3. Agents of Socialization and Effects of Socialization.
4. Culture:
   Meaning, Components & Features.
5. Culture
   Features of Culture
6. Cultural Similarities Among Nigerians
7. Cultural Differences Among Nigerians
8. Uniqueness of Nigerian Culture
9. Revision.

THIRD TERM

1. Revision of Last Term’s Work
2. Social Issues and Problems Examination; Meaning and
   causes
3. Social Issues and Problems; Effects and Solution
6. Problems Associated with Contemporary Social Problems in
7. Problems Associated with Contemporary Social Problems in
9. National Unity and Integration: Meaning, Needs and
   Importance.
10. National Unity and Integration; Meaning, Needs and
    Importance.

SCHEME OF WORK FOR SOCIAL STUDIES

JSS 2

FIRST TERM

SOCIAL GROUP

1. TYPE/CHARACTERISTICS OF SOCIAL
   GROUP
   Primary social group
   GROUP BEHAVIOR
   Types of group behavior
   Benefits of group behavior
2. MARRIAGE
   Meaning and types of marriage
   Criteria for marriage
   Benefits of marriage
   Problems/dangers of early marriage
3. DRUG ABUSE
   Meaning of
   Forms of drug abuse
   Effect of drug abuse
   Measures of curbing abuse
4. DRUG TRAFFICKING
   Meaning of drug trafficking
   Reasons of drug trafficking
   Dangers of drug trafficking in Nigeria
   Measures of curbing drug trafficking
5. POVERTY
   Meaning of poverty
   Causes of poverty
   Ways of alleviating poverty
6. CORRUPTION
   Meaning of corruption
   Abuses
   Effects of corruption
   Measures of checking corruption
7. CULTISM
   Meaning of cultism
   Reasons for membership
   Effects
   Measures of reducing cultism
8. SCIENCE AND TECHNOLOGY
   Benefits of science and technology
   Problems and solutions to problems of science and
   technology
   COMMUNICATION
   Meaning
   Types/forms of ICT
   Advantages & Disadvantages

SECOND TERM

1. LIVING TOGETHER IN THE FAMILY
   Definition of family
   Conditions for living together as a family
   Roles performed by individual in the family
   (a) Father (b) Mother (c) Children
2. MEANING OF CULTURE
   Types of culture
   Characteristics of culture
   Types of food in our culture
3. COMMON DRESSES IN OUR CULTURE
   Dress codes for selected culture
   Factors that influence dress selection
4. COMMON HAIRSTYLES
   Hairstyles for women and men
   Care of the hair
   Adornments
   Usefulness of Adornments
5. RELIGION
   Meaning and types of religion
   Similarities of our religion
6. OUR SCHOOL
   Features of a school
   Members of the school community
   Functions performed by each member
   Ways of enhancing efficiency among membership of
   the school
7. HOME APPLIANCES
   Usefulness of ach appliances
   Dangers in the wrong use of appliances
   Correct ways of using electrical appliance

THIRD TERM

1. ACCIDENT IN THE SCHOOL
   Meaning of accident
   Types of school accident
   Causes of accident
Prevention of school accidents
2. GENDER ROLES
Gender similarities/differences
Gender discrimination
Consequences & solution of gender discrimination
3. STORAGE
Meaning of storage
Methods of storing things
Benefits of storing things
4. Savings
Meaning of saving
Reasons for saving money
Method of saving money
5. WHAT IS A BANK?
(i) Advantages of keeping money in banks
(ii) Problems associated with banking
(iii) Prospects of banking operation in Nigeria
6. RESOURCES
Meaning and types of resources
Usefulness of resources to man
Conservation of environmental resources
7. HARMFUL SUBSTANCE
Types of harmful substance to men
Prevention of intake of harmful substance
8. TRANSPORTATION SYSTEM IN NIGERIA
Meaning/types of transportation
Transportation on land, water and air
Advantages and disadvantages of transportation system in Nigeria
Measures aimed of solving the problem

SCHEME OF WORK FOR SOCIAL STUDIES
JSS 3

FIRST TERM
1 Trafficking in children and women
Definition
Factors responsible for children and women trafficking
Consequences of trafficking
Possible ways of preventing human trafficking
2. HARMFUL TRADITIONAL PRACTICES
Definition
Types of harmful traditional practices in Nigeria
Measures of preventing harmful traditional practices
3. POPULATION
Meaning of population
Basic units of population
Factors in securing population growth and control
4. FAMILY LIFE EDUCATION
Meaning of family life education
Population and resources available
Family size and consequences
Census
PEACE
Meaning of peace
Types of peace
Importance of peace
Ways of promoting peace
CONFLICTS
Meaning of conflicts & types

SECOND TERM
1. ECONOMIC INSTITUTION IN NIGERIA
Banks
Functions of commercial banks
Functions of central banks of Nigeria
2. INSURANCES
Types of insurance
Functions of insurance
Nigeria deposit insurance corporation (NDIC)
Roles of NDIC
3. NIGERIAN STOCK EXCHANGE
Security and exchange commission
What is a share?
Roles of Nigerian stock exchange
Roles of securities and exchange
4. TRANSPORTATION
Types of transportation
Advantages of various types
Disadvantage of air, sea and road transport
5. GLOBAL INTERNATIONAL COOPERATION
(i) Reasons for global international co-operation
(ii) Strategies for achieving global international cooperation
Consequence of global international co-operation
6. INTERNATIONAL CONFLICT
Causes of international conflict solutions

COMMON CRIMES AND ASSOCIATED PUNISHMENT

SCHEME OF WORK FOR MATHEMATICS
JSS 1

FIRST TERM
1 Number and numeration (writing in figure)
2 L. C. M. of whole numbers
3 H. C. F. of whole numbers
4 Fractions
1. Changing proper fractions to improper fraction and vice versa
2. Changing improper fractions to mixed number. Vice versa
3. Equivalent fractions
4. Addition and subtraction of fractions
5. Multiplication and division of fractions
6. BODMAS of fractions
7. Estimation

SECOND TERM
1. Approximation
2. Number base – changing to binary numbers
3. Addition and subtraction of number base
4. Multiplication of number base
5. Basic operations (place value)
6. BODMAS
7. Decimal (Addition and subtraction)
8. Algebraic process
9. Word problem in Algebra

THIRD TERM
1. Word problem in symbolic terms
2. Simple equations
3. Statistics
4. Averages
5. Geometry (Plane shapes)
6. Solids
7. Angles
8. Construction

SCHEME OF WORK FOR MATHEMATICS

JSS2

FIRST TERM
1. Whole number and decimal number
2. Prime factors
3. L. C. M. of whole number
4. H. C. F. of whole number
5. Square root
6. Fractions (ratios, decimals and percentages)
7. Commercial Arithmetic
8. Approximation
9. Multiplication and division of directed numbers

SECOND TERM
1. Algebraic expression
2. Algebraic expression
3. Simple equation
4. Linear inequality
5. Graph of linear inequality
6. Plane shapes
7. Scale drawing
8. Estimation

THIRD TERM
1. Angles between lines
2. Angles in a polygon
3. Pythagoras theorem
4. Statistics
5. Probability
6. Areas and volume of cylinder
7. Volume of a cone
8. Mean, median and mode

SCHEME OF WORK FOR MATHEMATICS

JSS3

FIRST TERM
1. Number Bases
   a. Converting decimal to other bases
   b. Converting other bases to base ten
2. Number Bases
   Multiplication and division in non-decimal bases.
3. Computer Application
   a. Use of punch cards to store information.
   b. Translating information on punch cards to coded form.
   c. Writing familiar words in coded form.
4. Word Problems
   I. Translating word problems into numerical expression.
   II. Interpretation of word problems involving sum and
difference into numerical expression.
   III. Interpretation of word problems involving product and
division into numerical expression.
   IV. Combining division, product with sum and difference in
word problems.
5. Proportion and Variation
   a. Direct and inverse proportion.
   b. Direct and inverse variation.
   c. Joint and partial variation.
6. Approximations
   a. Approximating to decimal places and significant figures.
   b. Calculating and approximating to whole numbers.
   c. Calculating and approximating to given significant figures.
7. Factorization
   a. Removing brackets
   b. Factorization of taking common factors.
   c. Simplifying calculation by factorization.
   d. Factorization of quadratic expression
   e. Factorization of perfect squares.
   f. Factorization of difference of two squares.
8. Compound interest.

2ND TERM
1. Simple equation involving fractions.
   a. Word problems involving fractions.
   b. Simultaneous equation
   – Elimination method
   – Substitution method
   3. Simultaneous equation
   – Graphical method
   – Word problems leading to simultaneous equation
   4. Similar Shapes
   – Calculation of similar shapes.
   5. Change of Subject Formula
   6. Trigonometry
   – Tangent of angles
   7. Trigonometry
   – Sine and cosine of angles
   8. Construction
   – Bisector of line and angle
   – Construction of 90°, 45°, 60° and 30°
   9. Statistics
– Revision of mean, medium and mode
- Revision of pie charts

SCHEME OF WORK FOR COMPUTER
JSS 1

FIRST TERM
FUNDAMENTALS OF COMPUTER
Constituents of a computer
1. Hardware: System unit, Peripherals
2. Software: System software, Application software
Characteristics of a computer with computer Terminology

DATA AND INFORMATION
Definitions of data and information
Examples of data and information
Differences between data and information
How the computer process data
Diagrammatic representation of a computer

COMPUTATION DEVICES I (PRE-COMPUTER AGE TO 19TH CENTURY)
The Abacus
Features, components and uses
Napier’s Bone
Features, components and uses
Slide Rule
Features, components and uses
Pascal’s Calculator, Leibnitz multipliers, Jacquards
Loom
Charles Babbage
Difference and Analytic engine, Augusta Ada Byron,
Hollerith Census machine,
Punched cards, Burroughs, the comptometer and the cash register.

COMPUTING DEVICES II (20TH CENTURY TO DATE)
Antanasoft Berry computer, Electronic Numerical integrator and calculator
Electronic Discrete Variable Automatic Computer
Universal Automatic Computer
Desktop Personal Computer
Laptops and Notebooks
Difference between laptop and Notebooks
Other forms of portable device.

SECOND TERM
INPUT DEVICES: Definition
1. Types
2. The computer keyboard: Types, Functions, commands
3. The mouse: Type, function, features etc
4. Pointing stick, joy stick, track ball, bar code reader, optical character recognition,
magnetic ink character recognition etc.

OUTPUT DEVICES: Definition
3. Monitor: Types of monitor

Types of screen display
1. Printers: Functions of printer, types of printer
2. Speakers
3. Plotters
4. Video graphic cards and sound cards etc

COMPUTER SYSTEM SOFTWARE:
Definitions, types, categories of application packages

PROGRAMMING LANGUAGES: Definitions, different level of programming languages,
advantages and disadvantages of the different level of programming language.

FIFTH GENERATION PROGRAMMING LANGUAGE

THIRD TERM
COMMUNICATION SYSTEM: Definition of I.C.T, types of I.C.T
Broadcasting, Telecommunications, Data Networks, information system and satellite communications.

APPLICATION AREAS OF I.C.T
Tele-conferencing, Tele presence, Tele commuting, video conferencing, Tele communication and networking, multimedia message services, instant messaging

I.C.T BASED GADGETS

BASIC COMPUTER OPERATIONS –
Booting, Description of the booting process, types of booting, components of the windows desktop. Practical’s on other simple basic computer operations.

WORD PROCESSING – Definitions, examples of Word Processor features of Word Processor

PRESENTATION PACKAGE – Definitions, examples of a presentation package, features of Word Processor using the presentation package.

SCHEME OF WORK FOR COMPUTER
JSS 2

FIRST TERM
1. Classification of computer
2. Concept of the computer system, component of computer system
3. The computer system, the hardware component
4. The computer system, the software and people ware
5. Computer software and type of software
6. Operating system
7. Unit of storage in computer
8. Computer files and file organization, data hierarchy

16
SECOND TERM
1. Graphic packages I: Meaning and feature of graphic package
2. Graphic packages II: Paint environment and paint tools and their functions
3. Drawing with paint
4. Information and Communication Technology
5. Internet I
6. Computer ethics: responsible ways of using the computer and internet
7. Areas of misuse of computer and internet
8. Revision
9. Examination

THIRD TERM
1. Internet I: Creating an email account and how to check email account and send an email
2. Internet II: Internet environment and chatting on the web, network group
3. Number bases: Type of number system
4. Logic gates
5. Computer professionals
6. Computer professional bodies
7. Revision
8. Examination

SCHEME OF WORK FOR COMPUTER JSS3

FIRST TERM
1. Internet search engines
2. Digital divide
3. Programming languages
4. Translator
5. Programming tools
6. Basic programming language

SECOND TERM
1. Spreadsheet packages: definition and uses of spreadsheet packages
2. Spreadsheet packages: features and terminologies
3. Worksheets: enter data in a worksheet
4. Worksheets: calculation on worksheets
5. Graphs: type of graphs

THIRD TERM
1. Computer virus

SCHEME OF WORK FOR BASIC TECHNOLOGY JSS 1

FIRST TERM
1. Introduction to technology
   – Meaning, types and importance
2. Technology workshop and safety
3. Wood as technological material
   – Classification and properties
4. Metals as technological materials
   – Identification and properties
5. Ceramics, cement and glass as technological materials
   – Properties and sources
6. Rubber and plastics as technological materials
   – Classification and properties

SECOND TERM
1. Geometrical Construction
   – Lines
   – Angles
   – Circles
2. Triangles
   – Quadrilateral
   – Plane figures
3. Tools and Materials
   – Metal work hand tools
   – Marking out tools
   – Measuring tools
4. Driving out tools
   – Cutting out tools
5. Energy Based Technological Appliances
   – Operation of a pressing iron
   – Operation of an electric kettle
   – Operation of cookers
   Water heater and gas lamp
6. Operation of kerosene cooker
   – Charcoal pressing iron
7. Wood work machines
   – Metal work machines

THIRD TERM
1. Concept of energy and power
2. Introduction to electronics (electron emission theory)
3. Electronic circuit components
4. Building materials and types of buildings.
5. Components of simple domestic buildings and building blueprint
6. Introduction to maintenance
7. Introduction to ICT (The Computer)
8. Belt and Chain drill and gears

THIRD TERM

1. Transmission of electricity
   - Transmission of electricity at low and high frequency
2. Components of the transmission system
3. Building construction and building plan (site preparation)
   - Mechanical tools used in site preparation
   - Clearing of vegetation
4. Setting out
   - Setting out materials
5. Foundation of building
   - Types of foundation
6. Introduction to maintenance
   - Simple maintenance
7. Care of common goods and domestic goods
   - Maintenance of furniture, table, chair, bed, etc

SCHEME OF WORK FOR BASIC TECHNOLOGY

JSS 3

FIRST TERM

1. Career prospects and opportunities
   - Technology related to career
2. Production of materials
   - Conversion and seasoning of timber
   - Methods of seasoning
3. Veneer and manufactured boards
   - Methods of cutting veneers
4. Drawing practice
   - Technical drawing
5. Tools and machines
   - Workshop rules and regulations
6. Simple woodwork project
   - Wood joints constructions
7. Non-wood materials
8. Joining of wooden pieces with fasteners and fitting

SECOND TERM

1. Mechanical energy (friction and its effect)
   - Advantages and disadvantages of friction
   - Lubrication and its importance
2. Gears, Belt and Chain drive
   - Gears ratio and speed ratio
   - Calculation of gear ratio and speed ratio
3. Motion and types of motion
   - Devices that exhibit rotary motion
   - Conversion of rotary motion to linear motion
4. Laws of motion
   - Bernoulli’s principle
5. Air flow and pneumatics
6. Hydraulic presses and pneumatic devices
7. Water wheels
8. Turbines etc
9. Method of joining metals, e.g., soldering and types
10. Welding and types of welding
11. Forging, riveting, belt and nuts

12. Floors, doors and windows

THIRD TERM

Revision and Technical drawing
   - Isometric drawing
   - Orthographic drawing

SCHEME OF WORK FOR ENGLISH LANGUAGE

JSS 1

1ST TERM

Week 1: Introduction to speech production
   Vocabulary associated with building portative’s
Week 2: The discounted fish
   Vowel /a/ and /D/
   Vocabulary associated with transport
   Genres of literature—prose and poetry
Week 3: Adjectives
   Consonants /l/ and /s/
   How to make a candle stand
   Feature of drama as a genre of literature
Week 4: Vowels /a/ / /
   Nouns
   Vocabulary associated with home and family figure of speech
Week 5: Writing composition using simple sentences /paragraphing
   The simple English sentence
Week 6: Vowels /i/ and /s/
   Poem analysis
Week 7: Consonant /p/ and /b/
   Noun phrases and quantifies
   The zeal for secondary school I the day school began
   Folklores
Week 8: Verbs
   Vocabulary associated with informal letters
   Play analysis of ‘Tears of a Bride’

SECOND TERM

Week 1: Subject and object pronouns and possession
   Debate writing
   Vocabulary associated with the market
   literary appreciation
Week 2: Vowels /a:/ and / /
   Singular and plural verbs
   The verb phrase
   Prepositions
   Vocabulary associated with water transfer
   Folklores
Scheme of work for English Language

1st Term

Week 1: Revision of vowels
- Vowels /a/ /e/ /i/ /o/ /u/ and /u:/

Week 2: The parts of speech/Negative statements
- Vocabulary associated with health
- Reading comprehension (to understand the writer’s purpose)

Week 3: Prose: The meaning and type’s chapters I and II of text book
- Falling and rising intonation in statements.

Week 4: Yes/No questions and tag questions
- Words associated with health

Week 5: Guided composition-writing title, using capital letters and punctuation
- Chapters 3, 4 and 5

Week 6: Intonation patterns in commands and questions
- Wh – questions
- Reading to indentify the meanings of words in various

Week 7: What is drama, different forms, elements and dramatic devices
- Vowels /a/ /e/ /i/ /o/ /u/ and /u:/

Second Term

Week 1: Request
- Words associated with banking/religion
- Poetry – some poetic devices, types of poem

Week 2: and the poem, the land of unease
- Informal letters

Week 3: Reporting statements
- Drama.

Week 4: Consonant clusters
- Reporting questions
- Government and politics

Week 5: Exposition – the Atmosphere
- Prose

Week 6: The Diphthongs; /ei/ /iOS / /a:/
- Reporting commands and request

Week 7: Writing a diary
- Obedience
### SCHEME OF WORK FOR BASIC SCIENCE

#### JSS 1

**1st TERM**
1. Family Health (cleanliness)
2. Nutrition
3. Environmental Conservation and Safety (Maintaining Balance)
4. Environmental Conservation and Safety (Sanitation)
5. Disease Vector
6. Immunization and prevention of STIs (HIV/AIDS)
7. Drug Abuse
8. The Earth in Space

**2nd TERM**
- Disease Prevention
- Immunization
- Prevention of STIs HIV/AIDS
- Drug Abuse
- The Earth In Space – the Solar System
- Matter – Definition and State
- Living Things – characteristics
- Differences between Plants and Animals
- Activities of living things
- Non-living things
- Gravitation and Weightlessness

**3rd TERM**
1. Gravitation and Weightlessness
2. Space Travel
3. Satellites
4. Energy
5. Renewable and Non-Renewable energy
6. Force
7. Friction

#### JSS 2

**1st TERM**
1. Family health (Diseased)
2. Environmental pollution
3. Drug abuse
4. Habitat
5. Uniqueness of man

**2nd Term**
1. Changes in matter
2. Changes in living things

---

**THIRD TERM**

<table>
<thead>
<tr>
<th>Week: 1</th>
<th>Phrases commonly used in speech</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Adverbials – The future</td>
</tr>
<tr>
<td></td>
<td>Mass media</td>
</tr>
<tr>
<td></td>
<td>Towards summary</td>
</tr>
<tr>
<td></td>
<td>Prose</td>
</tr>
<tr>
<td>Week: 2</td>
<td>Questions and their tags</td>
</tr>
<tr>
<td></td>
<td>Adverbial – Adverbs of frequency</td>
</tr>
<tr>
<td></td>
<td>Mass media</td>
</tr>
<tr>
<td></td>
<td>Towards summary</td>
</tr>
<tr>
<td></td>
<td>Prose</td>
</tr>
<tr>
<td>Week: 3</td>
<td>Vowels, diphthongs in mixed pairs</td>
</tr>
<tr>
<td></td>
<td>Cause and reason</td>
</tr>
<tr>
<td></td>
<td>Petroleum and mining</td>
</tr>
<tr>
<td></td>
<td>Report writing</td>
</tr>
<tr>
<td></td>
<td>Prose</td>
</tr>
<tr>
<td>Week: 4</td>
<td>Consonant clusters</td>
</tr>
<tr>
<td></td>
<td>Forms for expressing purpose</td>
</tr>
<tr>
<td></td>
<td>Petroleum and mining</td>
</tr>
<tr>
<td></td>
<td>Summary</td>
</tr>
<tr>
<td>Week: 5</td>
<td>Strong and weak forms of words</td>
</tr>
<tr>
<td></td>
<td>Adverbials – forms for expressing condition</td>
</tr>
<tr>
<td></td>
<td>Petroleum – Vocabulary</td>
</tr>
<tr>
<td></td>
<td>Continuous writing: my school/a market</td>
</tr>
<tr>
<td></td>
<td>Prose</td>
</tr>
<tr>
<td>Week: 6</td>
<td>Contrasting statements</td>
</tr>
<tr>
<td></td>
<td>Cake making</td>
</tr>
</tbody>
</table>
3. The human skeletal system
4. The human respiratory system
5. The human circulatory system
6. The human digestive system
7. The human reproductive system
8. Excretion

3rd Term
1. Information and communication Technology
2. Crude oil and petroleum
3. Work energy and power
4. Simple machine
5. Wheel and axle
6. The screw jack
7. Levers
8. Gears

SCHEME OF WORK FOR BASIC SCIENCE
JSS 3

1ST TERM
1. Family Traits Genetics
2. Soil Erosion
3. Flooding
4. Bush Burning
5. Deforestation
6. Desertification
7. Depletion of the Ozone Layer and its Effects
8. Drug Abuse

SECOND TERM
1. Metabolism in the Human Body
2. Sense Organs
3. Reproductive Health
4. Chemical Symbols, Formula and Equations
5. Atomic Structure
6. Resources from Living Things
7. Resources from Non-Living Things
SCHEME OF WORK FOR CHEMISTRY

SS 1

FIRST TERM

1. Introduction to chemistry
2. Chemical industries
3. Atoms molecules, atomicity
4. Physical and chemical changes
5. Electronic configuration
6. Relative atomic molecular
7. Atomic mass/atomic number
8. Chemical symbol
9. Chemical equation
10. Empirical formular
11. Molecular formular
12. Chemical examination
13. Chemical laws

SECOND TERM

1. Kinetic theory of matter
2. Gas laws
   - Boyle’s law
   - Charles law
   - Combined gas law
   - Gay Lussa’s law
   - Avogadro’s law
3. Septanut on techniques
4. Acids, basis and salt

THIRD TERM

1. Water
2. Carbon and its compounds
3. Formation of coal
   - Destructive distillation of coal
   - Uses of coal
   - Properties of carbon
4. Oxides of carbon
   - Carbon cycle
5. Synthetic gas
   - Carbonaceous
   - Tiorxocarbonates (iv) acid
   - Tiroxrocaronata iv
6. Hydrocarbons
   - Crude oil and natural gas

SCHEME OF WORK FOR BIOLOGY

SSI

FIRST TERM

1. RECOGNIZING LIVING THINGS
   - Characteristics of living things
   - Differences between plants and animals
2. ORGANISATION OF LIVING THINGS
   - Levels of organization of living things
   - Complexity of organization in higher organisms.
3. CLASSIFICATION OF LIVING THINGS

SECOND TERM

1. SOME PROPERTIES AND FUNCTIONS OF THE CELL
2. MECHANISM OF PHOTOSYNTHESIS
   - Cell respiration, Excretion, Growth, Basis of growth
3. Types of cell division
   - Mitosis and meiosis
4. CELL REACTION TO ITS ENVIRONMENT
   - Movement
   - Reproduction
5. ANIMAL NUTRITION
   - Food substance
   - Balance diet
   - Enzymes
6. MAMMALIAN TEETH

THIRD TERM

1. ECO SYSTEM
   - Ecological concept
   - Component of an ecosystem
   - Major biomes of the world
2. POPULATION STUDIES
   - Population characteristics
   - Methods of population studies
3. FUNCTIONING ECO SYSTEM
   - Autotrophy and heterotrophy
4. ENERGY TRANSFORMATION IN NATURE
   - Energy loss in nature
   - Laws of thermodynamics
5. RELEVANCE OF BIOLOGY TO AGRICULTURE
   - Classification of plants
   - Effects of agricultural activities on ecological system

SCHEME OF WORK MATHEMATICS

SSI

FIRST TERM

1. NUMBER BASE SYSTEM: Conversion from one base to base 10, conversion of decimal fraction to base 10, conversion of number from one base to another
base. Addition, subtraction, multiplication and division of number bases.

2. MODULAR ARITHMETIC:
Definition and concept of module arithmetic:
Addition, subtraction and multiplication of module arithmetic and applying it to solving life problem.

3. INDICES: Conversion of numbers to standard form; laws of indices, indicial equations.

4. LOGARITHMS AND INDICES:
Definition of logarithm; logarithm of numbers in base 10, expressing logarithm as inverse of Indices, Graph of Y = 10^x, logarithm and anti-logarithms tables of numbers greater than one, laws of logarithms – multiplication, division, powers and roots.

5. SET: Definition of set, set notation, types of sets, set operation, use of Venn diagrams.

6. SIMPLE EQUATIONS AND VARIATIONS:
Change of subject of formulae involving bracket, root and powers. Types of variation – direct, inverse, joint and partial.

7. QUADRATIC EQUATION:
Factorisation, completing the square, formulae and graphical method and obtaining roots from quadratic graphs.

8. LOGICAL REASONING: Simple and compound statements.

SECOND TERM

CONSTRUCTION OF ANGLES 30, 45, 60, 90 e.t.c.
Triangles, Equivalent angles, Equidistance from 2 points, 2 lines, fixed point and 4 – sides plane figure given certain conditions, locus of given points.

1. PROOFS OF SOME BASIC THEOREMS IN EUCLIDEAN GEOMETRY:
Angle sum of a triangle is 180°, the exterior angle of a triangle is equal to the sum of two interior opposite angles.

3. RIDERS: Proofs of properties of
4. Angles on parallel lines
5. Angles in a polygon
iii. Congruent angles
1. Parallelograms and intercept theorem

4. TRIGONOMETRIC RATIOS: Sine, cosine and tangent with reference to right angled triangles.

5. TRIGONOMETRY: Derivation of Trigonometric ratios of 30°, 45° and 60° from drawn angles.

6. TRIGONOMETRY: Angle of elevation and depression and application of trigonometric ratios.

7. TRIGONOMETRIC RATIOS: In relation to unit circle, Sine and Cosine of various angles.

8. GRAPH OF SINES AND COSINES USING 15°, 20°, 30°, 60° etc.

9. LENGTH OF ARC OF CIRCLE

THIRD TERM

1. Perimeters of sectors and segments
2. Areas of Sectors of a Circle
3. Areas of Segments of a Circle
4. Relation between the sector of Circle and the surface of a Cone.
5. Surface Area and Volume of Shapes – Cube, Cuboid, Cylinder, Pyramids, Cone, and Prism.

SCHEME OF WORK CIVIC EDUCATION SSI

1. Definition Of Civic Education
2. Values
3. Moral Values
4. Self Defence
5. Community Service
6. HIV/AIDS Continues
7. HIV/AIDS Continues
8. Youth Empowerment
9. Importance Of Skill Acquisition
10. Revision

SECOND TERM

1. The Structure Of Government
2. Law And Order
3. Democracy
5. Nationalism
6. United Nation Declaration Of Human Rights
7. Types Of Human Rights

THIRD TERM

1. Cultism – Origin
2. Cultism in Higher Institutions of Higher learning in Nigeria
3. Consequences of Cultism
4. Constituted Authority
5. Respect for Constituted Authority
6. Emergence of Leadership
7. Importance of Constituted Authority

SCHEME OF WORK ENGLISH LANGUAGE SSI

FIRST TERM

WEEK 1
VOC. DEVELOPMENT. Words Associated with Agriculture (crops)
GRAM: Noun and its types
SPOKEN ENG: Voiced/voiceless consonant sounds
Reading Comprehension
Narrative Essay.

WEEK 2
VOC. DEVELOPMENT: Words Associated with Agriculture (livestock farming)
GRAM: Noun/Noun phrase
SPOKEN ENGLISH: Voiced/voiceless consonant sounds
WEEK 3  VOC. DEVELOPMENT: Words Associated with Agriculture (Fisheries)
GRAM: Noun Phrase
SKPKEN ENGLISH: Consonant sounds
SUMMARY WRITING
Narrative Essay

WEEK 4  VOC. DEVELOPMENT: Words Associated with Agriculture (Farm implements)
GRAM: Noun phrase
SKPKEN ENGLISH: Exercise on consonant sounds
Summary writing
Narrative Essay

WEEK 5  CONTINUOS ASSESSMENT TEST
WEEK 6  MID-TERM BREAK

WEEK 7  VOC. DEVELOPMENT: Words Associated with Animal Husbandry
GRAM: Nouns – Number
SKPKEN ENGLISH: Consonant sounds
Comprehension
Descriptive Essay

WEEK 8  VOC. DEVELOPMENT: Words Associated with Animal Husbandry
SKPKEN ENGLISH: Words of two syllables
Comprehension
Descriptive Essay
Nouns – the possessive care.

WEEK 9  NOUNS: Nominalization
Descriptive Essay
SKPKEN ENGLISH: Words of two syllables.
SUMMARY WRITING

SECOND TERM
WEEK 1  REVISION OF FIRST TERMS WORK
WEEK 2  Vocabulary And Oracy Skill Development
Words Associated with Religion
Christian Religion
Phrasal verbs
Comprehension
WEEK 3  Vocabulary And Oracy Skill Development
Words Associated with Religion
Phrasal verbs
Comprehension
WEEK 5  Words Associated with Islamic Religion
Phrasal verbs
Continuous Writing (Descriptive Essay)
Summary Writing

WEEK 6  Other Expressions associated with religion
Adjuncts (Adverbs)
Continuous Writing
Formal letter

WEEK 7  Vocabulary and Oracy Skill Development
(Antonyms)
Adjuncts (Adverbs)
Synonyms
Complex sentences

WEEK 8  Antonyms
Complex sentences
Letter Writing
Formal letter

THIRD TERM
WEEK 1  REVISION OF LAST TERM’S EXAM
WEEK 2  Vocabulary and Oral skill Development;
Words Associated with Profession
1. Advertising
2. Some Selected Consonant sounds
   • Class Exercise
1. Sentence Stress
2. Consonants followed by /l/
WEEK 3  Words Associated with Advertising
Selected Consonant sounds
Speech writing
Class exercise
Sentence stress
WEEK 4  Selected consonant sounds
Words Associated with stock exchange
Types and functions of subordinate clauses
Class exercise
Consonants followed by K + W
WEEK 5  First Continuous Assessment
WEEK 6  Words commonly miss pelt
Stress
Articles
Class Articles
WEEK 7  Reading comprehension
Stress of words of two syllables
Consonants followed by l
WEEK 8  Summary Writing
Stress of Words of three syllables
Sentence stress
WEEK 9  Stress of Words of three syllables and above
Emphatic stress
Summary Writing
Class exercise
WEEK 10
Syllabic consonants / L /
Syllabic consonants / n /
Class exercise

SCHEME OF WORK – AGRICULTURAL SCIENCE
SSI

FIRST TERM
1. Problems of Agricultural Development in Nigeria /West Africa
2. Solutions to problems of Agricultural Development
3. Types of Agriculture
4. Cereal Crop Production
5. Leguminous Crop Production
6. Tuber Crop Production
7. Vegetable Crop Production

SECOND TERM
1. Fruit Crop Production
2. Beverage Crop Production
3. Oil Crop Production
4. Anatomy and Physiology of Farm Animals
5. Reproductive system of Farm Animals: Male and Female

THIRD TERM
1. Process of Egg Formation in a Hen
2. Structure of a Fertile Egg
3. Incubation
4. Systems of Livestock Management: Ruminants
5. Systems of Livestock Management: Non – Ruminants

SCHEME OF WORK – PHYSICS
SSI

FIRST TERM
1. Meaning of Physics: Physical quantities and units of quantities
2. Measuring of instruments
3. Concepts of position and motion
4. Speed velocity and acceleration
5. Displacement and velocity – time graphs
6. Circular motion
7. Friction
8. Density and relative density

SECOND TERM
1. Work, energy and power
2. Concepts of heat and temperature
3. Measurement of temperature
4. Thermal expansion of solids
5. Transmission of heat

THIRD TERM
1. Electric charges and static electricity
2. Description and properties of fields
3. Introduction to current electricity
4. Ohm’s law, resistors in circuits, electrical energy and power
5. Elastic properties of solids
6. Molecular properties and forces; adhesion and cohesion
7. Surface tension and viscous forces
8. Crystalline nature of solids
9. Industrial units (Technological applications of Physics)

SCHEME OF WORK FOR COMPUTER
SSI

FIRST TERM
1. FUNDAMENTALS OF COMPUTER
   Constituents of a computer
2. Hard ware: System unit, Peripherals
3. Soft ware: System software, Application software
   Characteristics of a computer with computer Terminology

3. DATA AND INFORMATION
   Definitions of data and information
   Examples of data and information
   Differences between data and information
   How the computer process data
   Diagrammatic representation of a computer

4. COMPUTATION DEVICES I (PRE-COMPUTER AGE TO 19TH CENTURY)
The Abacus
Features, components and uses
Napier’s Bone
Features, components and uses
Slide Rule
Features, components and uses
Pascal’s Calculator, Leibnitz multipliers, Jacquards Loom Charles Babbage
Difference and Analytic engine, Augusta Ada Byron, Hollerith Census machine,
Punched cards, Burroughs, the comptometer and the cash register.

5. COMPUTING DEVICES II (20TH CENTURY TO DATE)
   Antanasoft Berry computer, Electronic Numerical integrator and calculator
   Electronic Discrete Variable Automatic Computer
   Universal Automatic Computer
   Desktop Personal Computer
   Laptops and Notebooks
   Difference between laptop and Notebooks
   Other forms of portable device.

SECOND TERM
INPUT DEVICES: Definition
Types
The computer keyboard: Types, Functions, commands
The mouse: Type, function, features etc
Pointing stick, joy stick, track ball, bar code reader, optical character recognition, magnetic ink character recognition etc.

OUTPU DEVICES: Definition
Monitor: Types of monitor
Types of screen display
Printers: Functions of printer, types of printer
Speakers
Plotters
Video graphic cards and sound cards etc

COMPUTER SYSTEM SOFTWARE: Definitions, types, categories of application packages

PROGRAMMING LANGUAGES: Definitions, different level of programming languages, advantages and disadvantages of the different level of programming language.

FIFTH GENERATION PROGRAMMING LANGUAGE

THIRD TERM
COMMUNICATION SYSTEM: Definition of I.C.T, types of I.C.T
Broadcasting, Telecommunications, Data Networks, information system and satellite communications.

APPLICATION AREAS OF I.C.T
Tele-conferencing, Tele presence, Tele commuting, video conferencing, Tele communication and networking, multimedia message services, instant messaging

I.C.T BASED GADGETS

BASIC COMPUTER OPERATIONS – Booting,
Description of the booting process, types of booting, components of the windows desktop. Practical’s on other simple basic computer operations.

WORD PROCESSING – Definitions, examples of Word Processor features of Word Processor

PRESENTATION PACKAGE – Definitions, examples of a presentation package, features of Word Processor using the presentation package.

SCHEME OF WORK - GEOGRAPHY SS1

1st TERM
1. (a) Introduction to the study of Geography
(b) Components of the Solar System
2. The Earth as a planet
(a) Proofs of Earth shape
(b) Rotation and Revolution
(c) Effects
3. (a) Lines of Longitude and Time
(b) Lines of Latitude and distance
4. The structure of the Earth:
(a) Internal structure
(b) Layers of the Atmosphere
5. Landforms Development: The formation of:
(a) Mountains
1. types of mountains
2. uses/importance of mountains
(b) Plateaus
1. types of plateaus
2. uses/importance of Plateaus
(c) Plains
1. types of Plains
2. uses/importance of Plains
3. Rock types and Importance

SECOND TERM
1. Elements and factors of Weather and Climate
2. Precipitation and types
3. (a) The Major Ocean Basins of the World
(b) A typical ocean floor
(c) Ocean salinity
(d) Ocean currents
(e) Uses of Oceans
4. Soils
(a) Components of soil
(b) Types of soil
(c) Factors and processes of soil formation
(d) Soil profile
5. Resources

THIRD TERM
REGIONAL GEOGRAPHY OF NIGERIA
1. Location, Position and Size of Nigeria
2. The relief features
3. The drainage and importance of rivers
4. The Climate of Nigeria
5. The vegetation belts and importance of forests
6. (a) Farming system:
7. Shifting cultivation
8. Bush fallowing
Irrigation farming
1. Plantation farming
2. Crop rotation
3. Terrace farming
Animal husbandry
(b) Major cash and food crops
(c) Importance and problems of agriculture
7. Major fishing areas
8. Mineral resources
9. The Industrial Zones
SCHEME OF WORK PHYSICS

SS2

FIRST TERM

1. The concepts of position and distance in coordinate systems.
2. Vectors
3. Uniformly Accelerated motion
4. Projectiles
5. Basics concepts of simple harmonic motion (S.H.M.)
6. Applications of simple Harmonic motion
7. Force and equilibrium of particles/concurrent forces
8. Equilibrium of rigid / coplanar forces centre of gravity and stability
9. Equilibrium of bodies in fluids – upthrust, Archimedes and floatation principles

SECOND TERM

1. Force momentum and Newton’s laws of motion
2. Application of Newton’s laws’ resultant forces and acceleration.
3. Simple machines
4. Pressures in fluids
5. Heat capacity
6. Latent heats
7. Practical effects of state changes: Melting, evaporation, vapour pressures, boiling and humidity.
8. Expansion of Gases and gas laws

THIRD TERM

1. Rectilinear propagation of light and reflection of light at plane surface
2. Reflection by curved mirrors
3. Refraction of light at plane boundaries
4. Refraction and image formation by lenses
5. Technological application of lenses: Optical instruments
6. Basic concepts and propagation of wave motion
7. Musical sounds: Waves in string and pipes
8. The wave equation: Physical properties of waves.

SCHEME OF WORK CIVIC EDUCATION

SS2

FIRST TERM

WEEK 1 CITIZENSHIP
1. Meaning and definition of citizenship education
2. Duties and obligation of citizens
   • Preservation of tradition, custom and culture

WEEK 2 DEMOCRACY AND NATIONAL DEVELOPMENT
1. Meaning of capitalist democracy
2. The features of capitalist democracy
   • Competition for power
1. National Consciousness, integrity and unity.

WEEK 3 DEMOCRACY AND NATIONAL DEVELOPMENT
1. Capitalist democracy

WEEK 4 IMPORTANCE OF EMPLOYMENT IN PROVERTY ALEVATION
1. Factors that guarantee employment

WEEK 5 FIRST CONTINUOUS ASSESSMENT TEST

WEEK 6 MID TERM BREAK

WEEK 7 POLITICAL APATHY
1. Reasons for political apathy
2. Why leaders fail to protect the interest of their followers?

WEEK 8 WHY LEADERS FAIL TO PROTECT THE INTEREST OF THEIR FOLLOWERS?

SECOND TERM

WEEK 1 POPULAR PARTICIPATION
1. Achieving popular participation in politics
2. Meaning of popular participation
   • Reasons why people do not participate in politics.

WEEK 2 FORMATION OF POPULAR ORGANISATION
1. Definition of popular organisation
2. Formation of popular organization

WEEK 3 HUMAN RIGHT
1. The meaning
2. Limitation to human right

WEEK 4 CONTINOUS ASSESSMENT TEST

WEEK 5 DRUG AND DRUG ABUSE
1. Meaning of drug abuse
2. The types of drugs and ways they are abused
   • Symptoms of drug abuse.

WEEK 6 EMERGENCY PERIOD
1. Meaning
2. Limitations to human right

WEEK 8 PREVENTION OF DRUG ABUSE
1. Drug law enforcement agency and administration
2. Law promulgated to curb drug abuse.

THIRD TERM

WEEK 1 RESPONSIBLE PARENTHOOD
1. The meaning
2. Role of responsible parenthood
   • Importance of responsible parenthood
WEEK 2  RELATIONSHIP/INTERPERSONAL RELATIONSHIP
1. Meaning
2. Types

WEEK 3  SKILLS THAT PROMOTE INTER-PERSONAL RELATIONSHIP

WEEK 4  INTER-COMMUNAL RELATIONSHIP
1. The meaning of inter-communal relationship
2. The importance of inter-communal relationship.

WEEK 5  FIRST CONTINOUS ASSESSMENT TEST

WEEK 6  SKILLS FOR RESOLVING INTER-COMMUNAL CONFLICTS

WEEK 8  TRAFFIC REGULATION
1. The meaning of traffic regulations
2. Examples or types of traffic regulations.

WEEK 9  ROLES OF INDIVIDUALS AND GOVERNMENT IN ENFORCING TRAFFIC REGULATION.

SCHEME OF WORK – BIOLOGY SS2

FIRST TERM
1. Food Production and Storage
2. Micro-Organisms in action
3. Towards better health
4. Aquatic Habitats
5. Terrestrial Habitats

SECOND TERM
1. Terrestrial Habitat
2. Reproduction in unicellular organisms and invertebrates
3. Classification of plants
4. Digestive system
5. Transport system
6. Respiratory system
7. Excretory system

THIRD TERM
1. Excretory Mechanism
2. Nutrient Cycling in Nature
3. Ecological management
4. Adaptation
5. Pollution

SCHEME OF WORK – GEOGRAPHY SS2

FIRST TERM
1. Faulting and associated landforms
2. (a) Earthquake
   (b) Volcano and volcanicity
3. Processes of denudation
   (a) Weathering
   (b) Mass wasting
4. Atmospheric heating:
   (a) Isolation
1. Radiation
2. conduction
   Convection
   (b) Temperature
   (c) Pressure
5. River system
   (a) Processes of river erosion
   (b) Profile and characteristic features
6. Features of karst Landscape and Human activities

SECOND TERM
1. Transportation : Merits and demerits of
   (a) Rail Transport
   (b) Road Transport
   (c) Water Transport
   (d) Air Transport
   (e) Contributions transport to national development
2. Settlement pattern and functions
3. World population
4. World vegetation
5. Fishing Grounds
6. Environmental conservation

THIRD TERM
1. World industrial areas
2. Environmental hazards:
   (a) Air pollution
   (b) Water pollution
   (c) Soil erosion
   (d) Desertification
3. Wind as agent of denudation in arid/ semi – arid lands
   (a) Features of wind erosion
   (b) features of wind deposition
4. Remote Sensing and Geographic Information System (G.I.S.)

SCHEME OF WORK – MATHEMATICS SS2

FIRST TERM
1. Logarithms
2. Approximations and Accuracy
3. Sequences and series
4. Quadratic equations
5. Simultaneous, linear and Quadratic Equations
6. Gradient of a curve and lines
SECOND TERM
1. Logical Reasoning
2. Determining Gradient of a curve by graph reading
3. Linear Inequalities
4. Algebraic Fractions
5. Chord property (Circle geometry I)
6. Circle theorems (Circle geometry II)
7. Trigonometry (Derivation of Sine rule)

THIRD TERM
1. Trigonometry (Derivation of Cosine rule)
2. Trigonometric Ratios (revision) and Angles of elevation and depression
3. Bearings
4. Statistics (grouped data)
5. Probability

SCHEME OF WORK – AGRICULTURAL SCIENCE
SS2

FIRST TERM
1. Land Tenure System in Nigeria (West Africa)
2. Roles of Government in Agricultural Development
3. Forest Management Practices
4. Diseases and Pests of Crops
5. Pasture and Forage Crops
6. Weeds

SECOND TERM
1. Animal Nutrition
2. Rangeland Management and Improvement
3. Environmental Factors Affecting Agricultural Production
4. Plant Nutrients
5. Plant Nutrient Cycle

THIRD TERM
1. Sources of Farm Power
2. Farm Mechanization
3. Farm Machinery
4. Farm Survey
5. Farm Stead Planning
6. Factors of Production
7. Farm Records and Accounts
8. Farm Finance and Budget

SCHEME OF WORK – ENGLISH LANGUAGE
SS2

FIRST TERM
WEEK 1 Revision of last term examination questions
WEEK 2-3 (a) Vocabulary/Oral skills development
Words Associated with Human internal Body system and function e.g heart, liver etc
(b) Grammar (structural pattern)
Noun phrase. Functions
©Literacy skills (Reading and writing)
Reading for main gist(points

WEEK 4-5 (a) Vocabulary and Oral skills development
Words Association with health eg drugs, pills etc

SECOND TERM
WEEK 1 Revision of last term’s examination question papers
WEEK 2-3 (a) Vocabulary and Oral skills development (Word modifiers)
Meaning of a word or phrase that describes a thing, an action, or an experience, eg Greenish, appetizing, bitter, rapidly, slowly, monthly etc. eg "He slowly moved to the gate"
(b) Grammar (structural pattern)
Phrasal verbs = verbs with more than one particle
Examples
Go + on, go + through, look + out for, look + down on, look + up to, look + forward to, put + for, put + up with, do + away with, keep + away from. Etc

© Literacy Skills (Reading and writing)
Reading different materials to discover misleading statements, faulty reasoning, inconsistency and illogicality in them.

WEEK 4-5  (a) Vocabulary and Oral Skills Development
Prefixes as word extension, making for new meaning. Eg un in unhealthy, Miss in misspell etc.
(b) Grammar (Structural Pattern)
Adjuncts = meaning
Adjuncts are adverbials modifying verbs
Types of adjuncts eg place, manner, time etc
© Literacy skills. (Reading and writing)
Reading to paraphrase poems and dramatic works
1. Drama
Theme/features
2. Poetry
Types of poetry

WEEK 6-7  (a) Vocabulary and Oral Skills Development
Preservative prefixes
Meaning of the word preserve
(b) Grammar (Structural Pattern)
Complex sentences or structure
Features of complex structure/sentence
© Literacy skills (Reading and writing)
Reading to pick out topic sentences in paragraphs and longer passages.

WEEK 8-9 (a) Vocabulary and Oral Skills Development
Suffixes
Meaning of a suffix and examples
(b) Vocabulary and Oracy Skills Development
Oral composition
Skills
1. Narrative
2. Descriptive
© Literacy Skills (reading and writing)
Reading for specific structural pattern on current issues like youth development, gender, deregulation, human rights, religious and ethnic conflicts etc.

WEEK 10-11  (a) Vocabulary and Oral Skills Development
Spelling of words using the dictionary to check for correct spelling and meaning of words
(b) Vocabulary and Oral Skills Development
Oral Composition
Expository
Argumentative
© Literacy skills (reading and writing)
Expository essay
Definition
Style/format, introduction, sequential, presentation of ideas and a conclusion

THIRD TERM
WEEK 1  Revision of last term’s examination questions
WEEK 2-3  (a) Vocabulary and Oral Skills Development
Speaking to persuade/convince in topics like: (i) Farmers are more important than doctors
(ii) women are better leaders than men ©corruption destroys a nation
(b) Vocabulary and Oral Skills Development
Listening to identify details
Meaning of detail. Some words that signify the presentation of details (a) as a result (b) for example, because, (c) In other words, such as consequently etc.
© Literacy Skills (Reading and writing)
Argumentative writing
Definition
Features

WEEK 4-5  (a) Vocabulary and Oral Skills Development
Consonants/consonant clusters at initials eg two, bride etc
(b) Vocabulary and Oral Skills Development
Three consonants and initial. Eg strike
© Literacy Skills (Reading and writing)
Letter writing
Formal letters, types (examples of them) and features

WEEK 6-7  (a) Vocabulary and Oral Skills Development
Unstressed Vowel Sounds
(b) Vocabulary and Oral Skills Development
Words with five syllables, stressed on the 1st, 2nd, 3rd and fought syllables.
© Literacy Skills (Reading and writing)
Technical and Scientific writing
Features/format

WEEK 8-9  (a) Vocabulary and Oral Skills Development
Intonation expressing surprise/disbelief
(b) Vocabulary and Orals Development
Intonation falling tone
© Literacy Skills (Reading and writing)
Creative writing
Features of a short play or story – plot, style, setting, characterization, theme etc.

WEEK 10-11  (a) Vocabulary and Oral Skills Development
Rising tone
(b) Vocabulary and Oracy Skills Development
Speaking skills
Argument, debate
© Literacy skills (Reading and writing)
Free writing
A short write – up based on interest or personal experience
SCHEME OF WORK – CHEMISTRY

SS2

FIRST TERM

WEEK 1                 Periodic Table
WEEK 2 & 3          Oxidation and Reduction Reactions
WEEK 4 & 5          Mass-Volume Relationship
WEEK 6                 Electrolysis
WEEK 7                 Electrode Potential
WEEK 8                 Acid-Base Reactions
WEEK 9                 Rates of Chemical Reaction
WEEK 10               Energy and Chemical Reactions

SECOND TERM

WEEK 1             Chemical Equilibrium
WEEK 2             Hydrogen Gas
WEEK 3             Oxygen Gas
WEEK 4 & 5          Chlorine and its Compounds
WEEK 6 & 7          Nitrogen and its Compounds
WEEK 8 & 9          Sulphur and its Compounds

THIRD TERM

WEEK 1 & 2        Water and Solutions
WEEK 3             Hardness of water
WEEK 4 & 5          Sulphur and its Compounds
WEEK 6 – 7        Organic Chemistry (Hydrocarbons)
WEEK 8             Benzene and its Compound
WEEK 9             Alkanols

SCHEME OF WORK – PHYSICS

SS3

FIRST TERM

1. The electromagnetic spectrum and dispersion of light
2. Gravitational fields
3. Electrostatic fields; capacitors
4. Direct current circuits, resistance and resistivity
5. Electrochemical cells, E.M.F, internal resistance and circuits
6. Principles of electrical measurments (shunts, multipliers, bridge circuits)
7. Electrical work, energy and power; cost.
8. Conduction of electricity through liquids (electrolysis)
9. Magnetism and magnetic fields
10. Electromagnetic induction

SECOND TERM

1. Alternating current (a.c) circuits
2. Atomic models, atomic spectra and the uncertainty principle
4. Semi-conductor electronics
5. Radio-activity
6. Technological applications of Physics (1); Uses of machines, power transmission in mechanical systems, maintenance.
7. Technological applications of Physics (2); Energy, dams, power stations, satellites in Nigeria.

SCHEME OF WORK – ENGLISH LANGUAGE

SS3

FIRST TERM

WEEK 1                 Concord
WEEK 2             Pronoun Antecedent Agreement
WEEK 3             More on Nouns
WEEK 4             Grammatical terms and functions
WEEK 5             Argumentative Essay
WEEK 6             Vocabulary on Law and Order

SECOND TERM

WEEK 1                 Nouns
WEEK 2             Intonation
WEEK 3             More on Nouns
WEEK 4             Summary writing
WEEK 5             Adverbials
WEEK 6             Verbs

THIRD TERM

WEEK 1                 Vocabulary on Culture and Ceremonies
WEEK 2             Narrative Essay
WEEK 3             Descriptive Essay
WEEK 4             Oral: Monophthongs
WEEK 5             Adjectival
WEEK 6             Orals: Diphthongs

FIRST TERM

1. Central processing unit (CPU)
2. Memory
3. Logic circuits i
4. Logic circuits ii
5. Computer data conversion

SECOND TERM

6. Concept of computer files
7. Handling computer files
8. Word processing
9. Systems development life cycle

THIRD TERM

10. Program development
11. Algorithms and flow charts
12. Basic programming ii
13. Internet
14. Electronic mail services

SCHEME OF WORK FOR – COMPUTER

SS2

FIRST TERM

1. Central processing unit (CPU)
2. Memory
3. Logic circuits i
4. Logic circuits ii
5. Computer data conversion

SECOND TERM

6. Concept of computer files
7. Handling computer files
8. Word processing
9. Systems development life cycle

THIRD TERM

10. Program development
11. Algorithms and flow charts
12. Basic programming ii
13. Internet
14. Electronic mail services

SCHEME OF WORK – ENGLISH LANGUAGE

SS3

FIRST TERM

WEEK 1                 Concord
WEEK 2             Pronoun Antecedent Agreement
WEEK 3             More on Nouns
WEEK 4             Grammatical terms and functions
WEEK 5             Argumentative Essay
WEEK 6             Vocabulary on Law and Order

SECOND TERM

WEEK 1                 Nouns
WEEK 2             Intonation
WEEK 3             More on Nouns
WEEK 4             Summary writing
WEEK 5             Adverbials
WEEK 6             Verbs

THIRD TERM

WEEK 1                 Vocabulary on Culture and Ceremonies
WEEK 2             Narrative Essay
WEEK 3             Descriptive Essay
WEEK 4             Oral: Monophthongs
WEEK 5             Adjectival
WEEK 6             Orals: Diphthongs

FIRST TERM

1. Central processing unit (CPU)
2. Memory
3. Logic circuits i
4. Logic circuits ii
5. Computer data conversion

SECOND TERM

6. Concept of computer files
7. Handling computer files
8. Word processing
9. Systems development life cycle

THIRD TERM

10. Program development
11. Algorithms and flow charts
12. Basic programming ii
13. Internet
14. Electronic mail services
WEEK 7                 Law and Order
                         Diphthongs
                         Consonants
                         Clusters of consonants
WEEK 8                 Consonants Clusters
                         Stress
                         Summary writing
                         Comprehension
                         Revision of WAEC Past Questions
SECOND TERM
WEEK 1                 Consonants
                         Summary
                         Verbs
                         Usages of pronouns
WEEK 2                 Vocabulary on Technology
                         Usages of pronoun
                         Register of Medicine
                         Comprehension
WEEK 3                 Grammatical Terms: Adverbials
                         Adjectival
                         Stress
                         Antonyms
WEEK 4                 Order of Adjectives
                         Collocations
                         Speech writing
                         Lexis and structure
WEEK 5                 Vocabulary: Motor Vehicles
                         More on stress
                         Lexis
                         Summary writing
WEEK 6                 Rhymes
                         More on verbs
                         Figures of Speech
                         Creative Writing
                         Writing Articles
WEEK 7                 Diphthongs
                         Letter writing
                         Consonants
                         Real and unreal future
WEEK 8                 Subjunctive
                         Lexis and structure
                         Monoghongs
                         Diphthongs
WEEK 9                 General Revision
                         Essay, letters
                         Summary
                         Comprehension

SCHEME OF WORK – MATHEMATICS
SS3

FIRST TERM
WEEK 1                 Surds
WEEK 2                 Matrics and Determinants
WEEK 3                 Logarithm (Revision)
WEEK 4                 Commercial Arithmetic
WEEK 11                Simultaneous, Linear and Quadratic
                         Equation (Revision)
SECOND TERM
WEEK 1                 Trigonometric Graph of Trigonometric
                         Ratios
WEEK 2                 Graphical Solution of Simultaneous Linear
                         and Trigonometric Equations
WEEK 3                 Surface Area of Sphere
WEEK 4                 Volume of Sphere
WEEK 5                 Longitude and Latitude
WEEK 6                 Coordinate Geometry of Straight Lines
WEEK 7                 Gradients and Intercept of a Straight Line
WEEK 8                 Differentiation of Algebraic Fractions
WEEK 9                 Integration of Simple Algebraic Functions
WEEK 10                Arc Length of a Curve

SCHEME OF WORK – CHEMISTRY
SS3

FIRST TERM
WEEK 1 & 2             Atomic Structure
WEEK 3                 Nuclear Chemistry
WEEK 4, 5 & 6          Metals and their compounds
WEEK 7 & 8              Organic Chemistry 2
SECOND TERM
WEEK 1                 Revision of Non-metals and their
                         compounds
WEEK 2                 Revision of Organic Chemistry I
WEEK 3                 Revision of Organic Chemistry 2
WEEK 4                 Revision of Periodic table
WEEK 5                 Revision of Mass-volume Relationship
WEEK 6                 Acid-Base Titration Calculations
WEEK 7                 Salt analysis (qualitative analysis)
SCHEME OF WORK– CIVIC EDUCATION

SS3
1. Our Values
2. Emerging Issues
3. Citizenship
4. Representative Democracy
5. Pillars of Democracy
6. Human Rights
7. Law and Order
8. Cultism
9. Citizenship
10. Democracy and National Development
11. Dangers of Political Apathy I
12. Achieving Popular Participation in Polities
13. Limitation of Human Rights
14. Drugs and Drug Abuse
15. Responsible Parenthood
16. Traffic Regulations
17. Relationships
18. Characteristics of Human Rights
19. Dangers of Political Apathy II
20. Public Service in a Democracy
21. Civic Society and Popular Participation
22. Constitutional Democracy and the Rule of Law
23. Human Trafficking.

(c) Methods of relief representation on Topographical map
(f) Contour representation of landforms
(g) Gradient, Cross profile and Inter-visibility
2. Description of relief on the map & Drainage pattern
3. Statistical diagrams:
   (a) Bar graph (b) Line graph (c) Pie Chat (d) Histogram etc.
4. Classification of Climate
   (a) Greek
   (b) Koppen
5. Climate types and characteristics
6. Interpretation of Climate data

SECOND TERM
1. Geographical Regions of Nigeria
   (a) The Western Highlands
   (b) The Eastern Highlands
   (c) The Lake Chad basin
   (d) The Cross River Basin
2. Transport in Nigeria
   (a) The Rail Lines
1. Problems &
2. Contributions to national development
   • Inland water ways

SCHEME OF WORK– BIOLOGY

SS3
1. Regulation of the Internal Environment
2. Hormones
3. Reproduction in Man
4. Reproduction in Flowering Plants
5. Fruits and seeds
6. Genetics
7. Reproductive Behaviours in Animals
8. Evolution

SCHEME OF WORK– COMPUTER

SS3
1. Networking
2. Introduction to the world wide web
3. Cables and connectors
4. Database
5. Graphics (introduction to corel draw)
6. Programming iii (one dimensional array)
7. High level languages (HLL)
8. Overview of number bases
9. Data representation
10. Security and ethics

SCHEME OF WORK– GEOGRAPHY

SS3
INTRODUCTION TO PRACTICAL GEOGRAPHY:
1. (a) Scale, types and application
   (b) Surveying
   (c) Direction and Bearing
   (d) Map reduction and Enlargement