

GOOD SHEPHERD CATHOLIC BOYS' SECONDARY SCHOOL, OYEDE.

THIRD TERM SCHEMES OF WORK AND HOLIDAY ASSIGNMENTS

CLASS: S. S. 1

CIVIC EDUCATION

WEEKS	TOPICS	CONTENTS
1	Cultism	i. Meaning of cultism ii. Reasons for establishing cults iii. Consequences and ways of preventing cultism
2	Orderliness	i. Meaning of Orderliness ii. Roles of orderliness
3	Constituted Authority	i. Meaning ii. Forms and types of constituted authority iii. Importance of constituted authority

ASSIGNMENTS:

1. You have been contacted as the new Advocate of Good Shepherd Catholic Boys' Secondary School Oyede.
 - Discuss the issue of cultism as a menace in modern day society
 - Recommend possible solutions or ways of curbing this vice.

(not more than a page)
2. Mention any 4 types of constituted authority and explain any two.

GEOGRAPHY

WEEKS	TOPICS	CONTENTS
1	Map reading.	(i) Map scale. (ii) Scale conversion. (iii) Measurement of distances on maps.
2.	Direction and bearing.	(i) Four Cardinal point. (ii) Compass point. (iii) By Angular bearing.
3.	Convectional symbols.	(i) Line symbols (ii) Point symbols. (iii) Pictorial symbols.

ASSIGNMENTS:

1. Define the term Map reading.
2. List four types of maps.
3. Define the term Scale
4. (a) Define distance.
(b) List four pictorial symbols.

ECONOMICS

WEEKS	TOPICS	CONTENTS
1	Theory of Supply.	(i) Definition of Supply. (ii) Individual and aggregate Supply. (iii) Supply schedule and supply curve.
2.	Theory of Supply	(i) Law of Supply. (ii) Mathematical approach using supply function or equations. (iii) Determinants of Supply.
3.	Business organization.	(i) Meaning of business organization. (ii) Types of business organization such as sole proprietorship, partnership, limited liability company, co-operative society and public corporations.

ASSIGNMENTS:

1. State the determinants of Supply.
2. What are the advantages of the sole proprietorship?
3. Mention the types of co-operative societies and give three examples of public co-operations.

BIOLOGY

WEEKS	TOPICS	CONTENTS
1	Micro-organisms around us	
2	Micro-organisms in action	
3	Towards better life	

ASSIGNMENTS:

1. What are micro-organisms?
2. With examples, state the basis for grouping bacteria
3. State two ways micro-organisms can enter the body
4. Stet six beneficial effects of micro-organisms

ANIMAL HUSBANDRY

WEEKS	TOPICS	CONTENTS
1	Management Practices in Non-Ruminants (Pigs) I	1) Breeds of pigs - local and exotic breeds 2) Management Practices a) Housing b) Feeding c) Sanitation d) Castration e.t.c.
2	Management practices in Non-Ruminants (pigs) ii	Practicalize some of the management practices such as: a) Housing b) Feeding c) Sanitation d) Castration e.t.c.
3	Management Practices in Non-Ruminants (Poultry) I	Breeds of Poultry a) Heavy and dual purpose breeds b) Light breeds c) Other breeds, branches of poultry d) Egg production e) Hatching f) Broiler production and management e.t.c.

ASSIGNMENTS:

1. Identify and list the various management practices in pig production.
2. Mention eight breeds of pigs.
3. Outline and discuss the importance of each of the practices.

HOME MANAGEMENT

WEEKS	TOPICS	CONTENTS
1	Home Management and Interior Decoration	Hanging curtains and Draperies. Accessories and Flower Arrangement.
2	Utilities in the Home I	Meaning-Water in the home-Sources of water-Uses of water in the home.
3	Utilities in the home II	Purification of water-Water storage-Care of water tank.

ASSIGNMENTS:

1. Outline four points to consider in choosing curtains and draperies.
2. Define water.
3. State four uses of water in the home.

FINANCIAL ACCOUNTING

WEEKS	TOPICS	CONTENTS
1	Control Account	1. Definition 2. Advantages 3 differentiate between Debtors and Creditors
2	Bad Debts	1. Definition 2. Provision for bad debts
3	Prepayment and Accruals	1. Differences between prepayment and accruals

ASSIGNMENTS:

1. Define the term “Accruals”
2. Highlight four advantages of control account
3. State three conditions for prepayment

CHEMISTRY

WEEKS	TOPICS	CONTENTS
1	Carbon and it's compounds	1. Allotropy 2. Allotropes of carbon a. Crystalline b. Non – crystalline/amorphous
2	Carbon and it's compounds	3. Diamond a. Properties and Uses
3	Carbon and it's compounds	4. Graphite a. Properties and Uses b. Differences between the properties of diamond and graphite

ASSIGNMENTS:

- 1a. What is allotropy?
b. Name two;
 - i. Crystalline forms of carbon
 - ii. Non – crystalline or amorphous carbon
 - c. What is the shape of:
 - i. Diamond
 - ii. Graphite
 - d. State 2 uses each of diamond and graphite
- 2a Name the types of coal
b. State the uses of coal
c. Name the product of the distillation of coal that is
 - i. Solid
 - ii. Liquid
 - iii. Gas

LITERATURE-IN-ENGLISH

WEEKS	TOPICS	CONTENTS
1	Introduction to Non – African Drama: “Fences” by August Wilson	- Background - Setting Reading and in-depth analysis of page 1 – 30.
2	African Drama: “Fences” by August Wilson	Reading and in-depth analysis of page 31 – 90.
3	Non – African Drama: “Fences” by August Wilson	Reading and in-depth analysis of page 91 – 125.

ASSIGNMENTS:

Read “Fences” by August Wilson and answer the following questions;

1. Discuss the setting of “Fences” by August Wilson.
2. Comment briefly on Baseball as a symbol in “Fences”.

GENERAL MATHEMATICS

WEEKS	TOPICS	CONTENTS
1	Logical reasoning	i. Logic and prepositions. ii. Symbolic logic and simple statements. iii. Negation of simple statements.
2	Angles between lines and triangles	i. Angles on a straight line and at a point ii. Triangles iii. Theorems and formal proofs. Iv. Congruent shapes v. Isosceles and equilateral triangles
3	Quadrilaterals, parallelograms, polygons, intercept theorem	Quadrilaterals, parallelograms, polygons, intercept theorem

ASSIGNMENTS:

1. Write the following implications in words;
 - a. $-5 > -2 \rightarrow 3 > -12 + 10$
 - b. $x > -7 \rightarrow 3x + 4 > -14$
2. The three angles of an isosceles triangle are $2x + 2$, $x - 12$ and $x - 12$. Find the size of each **angle**.

AGRICULTURAL SCIENCE

WEEKS	TOPICS	CONTENTS
1	Problems and Prospects of Agricultural Mechanization	1. Meaning of agricultural mechanization. 2. Advantages and disadvantages of agricultural mechanization 3. Limitation of agricultural mechanization 4. Prospects of agricultural mechanization
2	Sources of Farm Power	i. Human power ii. Animal power iii. Mechanical power iv. Electrical power
3	Sources of Farm Power	i. Solar power ii. Wind power iii. Water power iv. Biogas

ASSIGNMENTS:

1. Define agricultural mechanization
2. List four advantages and four disadvantages of agricultural mechanization
3. State two advantages of human power over animal power

GOVERNMENT

WEEKS	TOPICS	CONTENTS
1	Rule of Law	1. Definition of Rule of Law 2. Principles of Rule of Law 3. Limitations of Rule of Law
2	Fundamental Human Rights	1. Definition of Fundamental Human Rights 2. Limitations of Fundamental Human Rights 3. Reasons why Fundamental Human Rights are entrenched in the constitution
3	Separation of Power	1. Definition of Separation of Power 2. Advantages of Separation of Power 3. Separation of Power in the Presidential system of government

ASSIGNMENTS:

1. Outline the principles of the rule of law
2. Give any **two** reasons why fundamental human rights are entrenched in the presidential system of government.
3. Identify any **two** advantages of separation of powers

PHYSICS

WEEKS	TOPICS	CONTENTS
1.	Heat energy [Thermal expansion of solids]	Effects of heat on change of state
2.	Static Electricity	Static Electricity
3.	Field Charges	Field Charges

ASSIGNMENTS:

1. The area of a square metal is 600mm^2 . Calculate its new area when its temperature is raised by 15k .
(linear expansivity of metal = $1.9 \times 10^{-5}\text{K}^{-1}$)
2. A beaker of hot water is placed on a table. Describe the three ways of loses heat and suggest a simple way of minimizing each.

HISTORY

WEEKS	TOPICS	CONTENTS
1	indigenous industries, pottery, salt making	Salt making, iron works, leather works etc
2	Nigeria in the 19th century	Nigeria in the 19th century
3	Bornu under the Shehus	Bornu under the Shehus

ASSIGNMENTS:

1. What are the causes of the Islamic jihad of Usman dan Fodio?
2. Explain the administration of the caliphate
3. What are the reasons for European penetration of Nigeria?
4. List four European explorers, what are the factors that led to the coming of the Christian missionaries to Nigeria in the 19th century.

ENGLISH LANGUAGE

WEEKS	TOPICS	CONTENTS
1.	Revision of last term's work, speech, essay writing, grammatical name and function	Expository essay, noun phrases, diphthongs
2.	Speech, essay writing, article writing, summary	/ai/ and /au/, expository essay, things to be considered in writing an article, summary
3.	Speech, stress, comprehension, essay writing	/ei/, rules of word stress, unit 6, argumentative essay

ASSIGNMENT:

In not less than 450 words, write an article suitable for publication in a national newspaper on the issues of gender inequalities in the Nigerian society.

CHRISTIAN RELIGIOUS STUDIES

WEEKS	TOPICS	CONTENTS
1	Signs of Jesus Christ in St. John's Gospel	i. The wedding at Cana in Galilee ii. Feeding the multitude iii. Jesus walking on the sea
2	Law and Grace	i. Meaning of law and Grace ii. Paul's distinction between law and grace iii. Significance of law and grace in the life of a Christian
3	Christian giving	i. The concept of giving as in Paul's letter to the Corinthians (2cor9:1-15)

ASSIGNMENTS:

- a. Narrate the story of Jesus walking on sea as recorded by John
b. highlight 3 lessons Christians can learn from the story
- a. Define Grace
b. Point out 3 significance of law and grace in a Christian's life.

FURTHER MATHEMATICS

WEEKS	TOPICS	CONTENTS
1	MAPPINGS AND FUNCTIONS	Graphical Representation of Mappings Special Mappings Composite Mappings Inverse Functions
2	TRIGONOMETRY I	Quadrants and Angles Basic Trigonometric Ratios Ratios of the General Angle Ratio of Special Angles
3	TRIGONOMETRY II	Graphs of Trigonometric Functions Trigonometric Identities and Equations Trigonometric Equations

ASSIGNMENTS:

1. A relation $g: R \mapsto R$ is defined by $g(x) = \frac{2}{x-2}, x \neq 2$

Where R is the set of real numbers. Find $g^{-1}(x)$

2. Write the following in surd form

(a) $\tan 300^\circ$

(b) $\cos 315^\circ$

(c) $\sin 225^\circ$

3. (a) Draw a graph of $\sin x + 2\cos x$ for values of x in the range $0^\circ \leq x \leq 180^\circ$ at intervals of 30° .

(b) Find from your graph the maximum value of $\sin x + 2\cos x$, correct to one decimal place, and the corresponding value of x to the nearest degree.

