

JS1 RESEARCH TOPICS FOR SECOND TERM 2020/2021 ACADEMIC YEAR

JS1 BASIC TECHNOLOGY

- 1(a) Produce a wooden duster with measurement of 120mm x 40mm. state the materials, tools used for production
2. Draw a bradawl and its seven parts
3. Calculate the moisture content in the wood that has sample of wet weight of 250g, dry weight of 125g in percentage
- b. State two methods of removing moisture in wood
- c. Explain moisture content

JS1 COMPUTER

1. Mention and discuss on early counting devices
2. State the differences between electronic computers and other counting devices
3. Describe the components of a system unit

JS1 MUSIC

1. Fix the name of the lines below with alphabets on the treble staff

2. Fix the names of the spaces below with alphabets on the treble staff

3. Fix the name of the lines below with alphabets on the bass staff

4. Fix the names of the below with alphabets on the bass staff

5. Draw on a treble staff the time signature $\frac{3}{4}$

JS1 ENGLISH LANGUAGE

In one page of your foolscap sheet, summarize any novelette / novel you have read

JS1 AGRICULTURAL SCIENCE

Write on family living and resource management indicating the signs of puberty, needs and challenges of an adolescent as well as the rights of a child

JS1 C C A

Explain why choreography is important in dance

JS1 BUSINESS STUDIES

1. List and explain three types of production
2. Discuss in details any three factors of production

JS1 CIVIC EDUCATION

1. Explain co-operation and give two examples
2. List three attributes of co-operation
3. Mention four factors that promote co-operation
4. Explain four factors that promote co-operation

JS1 C R S

1. Call to service

Meaning of service,

Examples of people who served in the Bible.

(i) Joseph is sold to Egypt . Gen 37: 12 – 36

2. Call to the service

Joseph's service in Egypt

Gen 41: 37 – 57

The service of Ruth to her mother in-law, Ruth 1:7 - 18

JS1 MATHEMATICS

1. In a exam, a student scored 60 marks out of a possible 80. What percentage is this?
2. Calculate the perimeter of a circle of radius 70m. (use the value $3\frac{1}{7}$ for π)

JS1 IGBO

Agwa oma na agwa ojoo umu akwukwo na-akpa

(a) Gini bu Agwa oma?

(b) Gini bu Agwa Ojoo?

(ch) Deputa agwa oma di iche iche umu akwukwo na-akpa

(d) Dee agwa ojoo di iche iche umu akwukwo na-akpa

(e) Dee oghom di n'agwa ojoo

(f) Dee uru di n'agwa oma

(g) Dee ndumodu i ga-enye umu akwukwo

JS1 BASIC SCIENCE

1. With the help of diagram illustrate the states of matters
2. Differentiate between plants and animals
3. Write short note of solar energy, mechanical energy, potential energy and kinetic energy

JS1 FRENCH

1. Use your English / French dictionary

List ten objects one could see in the house

Ex. La table – the table

2. Write ten domestic animals in French and English

Ex Le chisn – the dog

JS1 PHE

List 5 traditional dances you know

Write the instruments involved in one

JS2 RESEARCH TOPICS FOR SECOND TERM 2020/2021 ACADEMIC YEAR

JS2 BASIC TECHNOLOGY

1.

Produce a wooden turner with above dimension

b. Explain type of wood, tools etc in the production. Explain wood

2. A jack requires 100kg effort to lift a vehicle weighing 8000kg. the mechanical advantage of the jack is

3. Appliance is connected to a 240V when a current of 10A flows through it, calculate the resistance offered in ohms (show the diagram)

JS2 COMPUTER

1. Discuss number bases

2. List four types of number bases and example one with examples

3. List six good qualities of computer networks

JS2 MUSIC

1. Who composed the Nigeria National Anthem, and when was it composed?

2. List and explain three types of scales

3. Outline five tips for good singer

4. Define cadence

5. List the 4 kinds of cadence

JS2 ENGLISH LANGUAGE

In not more than two pages of your foolscap sheet summarize the story in any literature book you have read.

JS2 AGRICULTURAL SCIENCE

Write on family living and resource management indicating the types of resources, steps in decision making and types of decision

JS2 C C A

Discuss the importance of a rehearsal

JS2 BUSINESS STUDIES

1. The following is the trial balance of Urban on 31st

December 2020	N
Turnover	500,000
Cost of sales	200,000
Paid rent	50,000
Insurance	40,000
Advertising	20,000
Heating and lighting	40,000
Admin cost	25,000
Sundry expenses	30,000

The following information are supplied

1. Insurance of N20,000 was paid in advance

2. Advertising cost of N40,000 is to be paid

3. Rent of N25,000 was paid in advance

4. Sundry expenses of N15,000 was paid in advance

5. Depreciation of N20,000 is to be paid on office equipment

6. Bad debt of N5000 is to be paid. You are required to prepare profit and loss account for the year ended 31st December 2020

2. In details discuss the three types of Account

JS2 CIVIC EDUCATION

1. Discuss the roles of the following agencies in enforcing the rule of law:

(i) NAFDAC (ii) EFCC (iii) NDLEA (iv) POLICE (v) PRISON SERVICE (vi) FRSC (vii) SON

2. Identify four groups that assist in protecting the human rights of citizens

JS2 C R S

1. The Miracles of Jesus

Meaning of miracle

Nature miracles of Jesus E.g

Turning water into wine Jn 2 : 1 – 11;

Calming the storm Mtt 8 : 23 – 29; Mk 4 : 35 – 41

Feeding of the 5, 000 Mtt 14 : 13 – 21; Mk 6 : 30 – 44, Lk 9 : 10 – 17

Feeding of the 4,000 Mk 8 : 1 – 6

Walking on the water mtt 14 : 22 – 23, Mk 6 : 45 – 52

2. Healing Miracles of Jesus

The Centurion's Servant Mtt 8 : 5 – 13; Lk 7 : 1 – 10

The Paralytic Mtt 9 : 1 – 8 Mk 2 : 1 – 12

The Gerasene Demoniac Mk 5 : 1 – 20

JS2 MATHEMATICS

1. Table below shows how many vehicles were involved in serious accidents in a city last week

Vehicles	Car	Lorry	Bus	Taxi	Others
Frequency	4	9	1	6	4

(i) Which type of vehicle has the worst record

(ii) Draw a pie chart to show the information

2. Calculate the fourth angle of the quadrilateral whose other three angles in order are

(a) 97° , 85° , 107°

JS2 IGBO

Akaoru

(a) Gini bu akaoru?

(b) Deputa akaoru di iche iche

(ch) Uru akaoru bara

(d) Akaoru ndi nwanyi

(e) Akaoru ndi nwoke

(f) Akaoru nwoke na nwanyi

JS2 BASIC SCIENCE

1. Meaning of work, energy and power

2. Meaning of potential and kinetic energy and its formula

3. Differences and similarities between boiling and evaporation

JS2 FRENCH

1. Use your English / French Dictionary or internet write ten things one could see in the village. In French and English

2. Write ten things one could see in the town

JS2 PHE

Draw Human Skeleton and label correctly

JS3 RESEARCH TOPICS FOR SECOND TERM 2020/2021 ACADEMIC YEAR

JS3 BASIC TECHNOLOGY

- 1a. What is the name given to the mechanical component, shown in the figure below
 - b. Name the parts labeled X and Y
 - c. If gear A has 20 teeth and gear B has 40 teeth, calculate
 - i. The gear ratio (ii) The gear speed (iii) State four uses of gear
-
2. A current of IDAMPS flows in a circuit when potential difference of 200 volts is applied to it. The resistance in the circuit is what?
 - 3.

JS3 COMPUTER

Microsoft Access
Introduction to Access
Features of MS-Access
Uses of Access

JS3 MATHEMATICS

- The data below shows the marks obtained out of 10 in a mathematics test
3, 2, 2, 7, 1, 4, 5, 4, 3, 2, 9, 7, 8, 6, 5, 4, 0, 1, 1, 3
5, 6, 8, 10, 0, 1, 4, 2, 5, 6, 8, 2, 3, 4, 6, 5, 4, 5, 9.
- (a) Prepare a frequency and tally table for the above data
 - (b) Represent the above information on a bar chart
 - (c) Calculate the (i) mean (ii) the mode
 - (d) If the pass mark is above 7, how many students failed the test?

JS3 MUSIC

1. Define triad
2. Explain pre historic period in music
3. Explain the classical period in music
4. Explain the baroque period in music
5. Explain the modern period in music

JS3 AGRICULTURAL SCIENCE

Write on the factors that influence the development of a child indicating the hereditary and environmental factors.

JS3 C C A

Explain design and the impact of a good packaging design on the audience.

JS3 BUSINESS STUDIES

1. Enumerate and explain any five office equipments
2. Explain any four procedure for making payments
3. In details differentiate between an open cheque and a crossed cheque

JS3 CIVIC EDUCATION

1. Explain the meaning and attributes of negative behaviours
2. Identify two negative behaviours in your environment
3. Enumerate two effects of negative behaviour in our society

JS3 C R S

1. Conversion of Cornelius

Peter converts Cornelius Acts 10 : 1 – 48; 12 : 1 – 24

The significance of the conversion of Cornelius

2. Peter's Divine Release and Death of Herod

Peter's Divine Release and Death of Herod. Acts 12 : 1 – 24

JS3 IGBO

Omenala iwa oji n'ala Igbo

- (a) Gini bu mkpuru oji?
- (b) Kowa ihe ibe oji gbara putara
- (ch) Dee uru oji bara n'ala Igbo
- (d) Nsopuru a na-enye oji n'ala Igbo
- (e) Deputa ihe ndi na-anochi anya oji
- (f) Deputa otu ekpere e ji awa oji

JS3 BASIC SCIENCE

1. Prevention of drug abuse (highlight)
2. Misuse if herbal medicine
3. Discuss the followings:
 - (i) Reflection (ii) Vision (iii) Dispersion (iv) Rainbow (v) Reflection of sound and hearing

JS3 FRENCH

1. Use your internet and list 20 daily verbs in French
2. Use your English / French dictionary and a sentence with any of the 20 daily verbs

JS3 ENGLISH LANGUAGE

1. Write the consonants sound in English and their examples
2. Write the vowels sounds in English and their examples

JS3 PHE

Discuss consumer protection agency and its functions.

SS1 RESEARCH TOPICS FOR SECOND TERM 2020/2021 ACADEMIC YEAR

SS1 IGBO

1. Dee ihe niile i mara gbasara isiokwu a nkejiasusu
 - a. Mputara ya (b) Njirimara ya (ch) udi ya di iche iche nke gunyere
 - i. Aha / Mkpoaha – ihe o bun a udi ya di iche iche
 - ii. Nnochiaha – ihe o bun a udi ya di iche iche
 - iii. Njuajuju
 - iv. Onuogugu
 - v. Ngwaa – mputara ya na nkenaudi ya di iche iche – nsinangwaa na enyemakangwaa

SS1 AGRICULTURAL SCIENCE

Write on the topic soil formation and profile development

Contents(i) Factors of soil formation (ii) outline the soil formation process (iii) soil profile development (Diagrams are important)

SS1 COMPUTER

Uses of ICT in everyday life

Impacts of ICT in the society

Input devices

Output devices

System unit and storage devices should be explain in details

SS1 GOVERNMENT

Topic: Constitution

- (i) Definition of definition
- (ii) Features of a constitution
- (iii) Importance of constitution
- (iv) Sources of a constitution

SS1 MATHEMATICS

In a certain year, the government of a certain state bought 480 cars. 180 were Peugeot, 108 were dat sun, 72 were ford, 56 were Toyota and the rest were Volks wagon. Represent the information on a pie chart.

SS1 ECONOMICS

Briefly write on types of production, factors of production and their features

SS1 C R S

Make a full research on the following with their bible quotations

A. A man after God's on heart

- i. David submission to the will of God (ii) David's repentance and forgiveness

B. Making decisions

- i. Solomon's wisdom (ii) The unwise decision of Solomon and Rehoboam

C. Greed and its effects

- i. Greed of Ahab and Gehazi

SS1 PHYSICS

1. A rectangular block rests on a horizontal surface. Explain why a minimum force is required to move the block along the surface. State whether this force will be larger smaller and unchanged when

- (a) the block is turned on to another side such that a bigger area is in contact with the surface
- (b) a film of oil is placed between the block and the surface

2. The speed of a bus increases uniformly from 15MS^{-1} to 60MS^{-1} in 20 seconds. Calculate:

- (a) The average speed (b) The acceleration (c) The distance travelled during the entire period

SS1 CIVIC EDUCATION

Examine the 3 arms of government Executive, legislature and judiciary

Meaning of Nationalism – Ethnic and extreme Nationalism

Examine Nigeria Nationalism and nationalistic roles of individuals and groups, role of other African Nationalistic leaders

Major local and world civic problems

SS1 LIT-IN-ENGLISH

Read any African play and Examine

(i) The major themes

(ii) The major Characters

(iii) The setting

(iv) The plot summary

SS1 BIOLOGY

1a. Write on the following terms (i) Putrefaction (ii) Nitrogen fixation (iii) Nitrification (iv) Denitrification

b. Explain how nitrogen from urine gets to the roots of plants (i) What is Immunity? (ii) Explain two ways by which a person becomes Immune to yellow fever (iii) Name four disease for which babies are Immunized

ci. What is Translocation? (ii) State (a) three differences (b) Three similarities between the transport systems in flowering plants and mammals

d. Explain the term (i) diffusion (ii) Active transport (iii) transpiration (iv) respiration (v) Explain briefly four factors that affect the diffusion of substances

e. Describe in details the role of the stomach in digestion (ii) Name three parts of plants in which food can be stored (iii) Give one example in each case of (eii) (iv) What are the importance of decomposers in the ecosystem?

SS1 ENGLISH LANGUAGE

Write the 24 rules of concord in English language with examples for instance

Rule I: Subject and Verb Concord

When the subject in a sentence is singular, the verb should also be singular

e.g:

(1) The girls go for vacations

(Plural) (plural)

(Subject) (Verb)

(2) My mum cooks for the family

(singular) (singular)

(Subject) (verb)

SS1 GEOGRAPHY

1. Those with the examination numbers 1 – 15, study the pages 12 and 13 (Nigeria physical) of the Macmillan Nigeria Secondary Atlas

2. Those with the examination numbers 16 – 30, study the pages 40 and 41 (West Africa: political and physical) of the Macmillan Nigeria Secondary Atlas

3. Those with the examination numbers 31 – 45, study the pages 52 and 53 (Africa Physical and Africa Political respectively) of the Macmillan Nigeria Secondary Atlas

4. Those with the examination numbers 46 and above, study the pages 96 and 97 (World physical), and pages 98 and 99 (World political respectively) of the Macmillan Nigeria Secondary Atlas.

SS2 RESEARCH TOPICS FOR SECOND TERM 2020/2021 ACADEMIC YEAR

SS2 IGBO

1. Dee ihe niile i mara gbasara isiokwu
Ochichi odinaala na usoro ochichi
 - a. Ihe bu ochichi
 - b. Udi ochichi odinaala
- i. Umunna (ii) Nze na ozo (iii) Amaala (iv) ichie (v) mmonwu (vi) ekpe (vii) ebiri (viii) okonko (ix) umuada
ch. Oru ha n'obodo

SS2 AGRICULTURAL SCIENCE

Write on the topic, diseases of crops

Content (1) Meaning of disease

2. Two diseases of cereals
3. Two diseases of legumes
4. Two diseases of tuber
5. Two diseases of fruits

SS2 COMPUTER

1. Write on computer maintenance
2. Draw and explain the tools for computer hardware and software maintenance

SS2 GOVERNMENT

Topic: (a) Differences between political parties and pressure groups (tabulated) (NCCP 156 – 157)

Topic: (b) Citizenship

- (i) Definition
- (ii) Methods of acquiring citizenship (Nccp136)
- (iii) Obligations of citizens to the state (Nccp 138)

SS2 ECONOMICS

What is Cost

Examine cost from its conceptual view points and also show the distinction between Economist and accountant's view of cost

SS2 C R S

- A. Mission of the disciples
 - i. The mission of the twelve (ii) The mission of the seventy
- B. The transfiguration
- C. The triumphal entry and cleansing of the temple
 - i. The triumphal entry (ii) The cleansing of the temple

SS2 ENGLISH LANGUAGE

Grammatical structure

- 1a. Write a short note on the above term explaining name and function
- b. What grammatical name is given to each of the following expressions:
- c. What is the function of each?
 - (1) 'That caption owed her'
 - (2) 'that chest open'
 - (3) where he had slept so long'
 - (4) 'The last thing in the chest'
 - (5) Because the coins were of all countries and sizes
- 2a. Write out at least forty (40) nouns associated with the environment
- b. Nouns for natural disasters (10 words)
- c. Ten (10) verbs associated with the environment

SS2 PHYSICS

1a. Explain why anyone standing on one foot is easily knocked over

b. Explain the reason why ship float on water

2. A plank AB 3.0M long weighing 20kg and with its center of gravity 2.0m from the end A carries a load of mass 10kg at the end A. It is rests on two supports at C and D as shown below

i. Compute the values of the reaction forces R_1 and R_2 at C and D.

ii. How far from D, and on which side of it, must a mass of 24kg be placed on the plank so as to make the reaction equal. What is their values?

SS2 CIVIC EDUCATION

Meaning of Human Rights

Limitations of human rights

Conditions necessary for the protection of human right

Prevailing condition during emergency periods

Meaning of drugs,

Meaning of drugs abuse

Forms of drugs that can be abused.

SS2 LIT-IN-ENGLISH

1. Examine the three major themes in the Non-African Prose work – “Wuthering Heights”
2. Justify the setting of the novel – The “Invincible Man”

SS2 BIOLOGY

- 1a. What is the effect of gravity on plant growth? (ii) Describe an experiment to demonstrate the effect of gravity on the roots of plants
- b. Explain how bitter taste is detected in humans (i) state the second law of Thermodynamics. Use the above law to explain the flow of energy across different trophic levels in a food chain
- ci. What is the difference between the genotype and phenotype of an individual? (ii) State two factors each which determine each of the terms in (ci)
- d. In a breeding experiment, a homozygous black dog (BB) was crossed with – homozygous white dog (bb) to produce black puppies in the first filial generation (F₁)
The second filial generation produced a total of two hundred and forty (240) black and white puppies. With the aid of a genetic diagram determine. (i) The number of white puppies (ii) The number of black puppies in the second filial generation.

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SS3 RESEARCH TOPICS FOR SECOND TERM 2020/2021 ACADEMIC YEAR

SS3 IGBO

Dee ihe niile i mara gbasara

1. Chi ndi igbo di iche iche

a. Aha na udi chi di iche iche ndi igbo nwere

b. Onu chi ndi a na-aruru ndi igbo

2. Ibeeme / Nso ala

a. Mputara ibeeme / nso ala (b) Mmalite ha n' obodo ufodu (ch) omumaatu ha (d) oru ha n'obodo

(e) Ntaramahuhu diri onye mere anu

SS3 AGRICULTURAL SCIENCE

Write on the topic Agricultural finance

Contents, (1) Classes of credit,

(a) Based on length or period (b) based on sources of credit (c) based on liquidity

2. Problems of facial by institutions in granting loans to farmers

SS3 GOVERNMENT

Topic: United Nations Organization

(i) Origin of the UNO

(ii) Aims and Objective (Nccp 369 – 370)

Organs of the UNO (Nccp 370)

(iii) Specialized agencies; list them (Nccp 374)

(iv) The general Assembly – functions Nccp (370 – 371)

(v) Functions of the Security Council

SS3 ECONOMICS

Briefly examine human capital development and relate it to Brain Drain

How does it affects the economy of your country

SS3 ENGLISH LANGUAGE

1. Write out twenty (20) idiomatic and idiomatic expressions

a. Explain each of them

b. Give sentence examples

c. Use an idiom to replace each of the following expressions

(i) Jealousy is a green-eyed monster (ii) To tell someone to go away (iii) exact punishment for a crime

(v) he is very hungry (vi) Express anger or expression (vii) being naked (viii) being careful of what you say,

(ix) show no emotion (x) Lose courage to do something

SS3 mathematics

1. In a circle where radius is 6.5cm, a triangle is formed with its diameter and a chord 5cm. find the length of the other side

2. If y is the product of three consecutive numbers of which the greatest is P. expressing in terms of y and P

3. Solve the following equation

$$\text{Log}(x + 9) = 1 + \log(x + 1) - \log(x - 2)$$