PRESENTATION COLLEGE SAN FERNANDO

FORM 4

GEOGRAPHY-SCHEME OF WORK (2019-2020)

TERM I(15 weeks)- MAPWORK

WEEK	TOPIC	CONTENT
1	• Introduction • 4&6 figure **Grid References**	• Term Outline • Introduction- Types of maps • Essential elements of maps • Locating places using 4 & 6 figure grid references
2 3	*4&6 figure grid references (continued) ***Compass direction** ***Grid bearings**	• Additional practice/worksheets- 4&6 figure grid references • Stating the direction of one place from another • Stating the direction as a bearing from one place to another- measured clockwise from Grid North
4	• **Map scales**	• Measuring straight and curved distances (to nearest 100 metres) • Using the linear scale, representative scale and statement scale • Copying, reducing or enlarging topographic maps guided by the map scale.
5	• **Contour lines** • Cross sections	• Introduction to contour lines on a topographic map and how they are used to draw cross sections of the map. • Profile view of the landscape and relief and whether or not one point can be seen from another.
6	• **TEST #1** • Calculating **gradient** on topographic maps	 • Formula for calculating gradient (using ratios and %) • Variations in slope-steep, moderate, gentle.
7	• **Landscape descriptions** • Relief	 • The distribution, height and size of landforms; types of slopes(concave, convex, straight, terraced/stepped); nature and height of slopes(steep, gentle, undulating, uneven); spurs, valleys, plains, depressions, ridges, plateaux, escarpments, cliffs, passes(cols, saddles)
8	• Drainage • Land Use	-drainage patterns, density, direction of flow, quality of the drainage, shape and size of the channel. - vegetation, agriculture, industry transport networks and
9	• Land Use (continued) • **Landscape inter-relationship**	- settlement form and distribution. • Landscape inter-relationship and patterns (map correlations); the association among relief, land use patterns and drainage.
10	• Review of **Location & Time**	• Latitude, longitude, earth's rotation, longitude and time, Caribbean countries, sketch maps.
11	* Review of **Tables, Graphs, Maps and Central Tendency**	* Construction of tables, bar graphs, line graphs, divided circles, climate graphs dot maps * Measures of central Tendency- mean, median, mode * Interpretation of date on charts, tables, bar graphs, population pyramids, line graphs, climate graphs, divided circles, dot maps, choropleth maps and isopleth maps.
12	• Review of Term 1	• Review and Preparation for End of Term Exams

TERM II (13 weeks)- THE COASTAL ENVIRONMENT & THE LIMESTONE ENVIRONMENT

WEEK	TOPIC	CONTENT
1	• Review end of term test paper • Introduction • **Waves**	• Introduction to the coastal environment • Features of waves- crest, trough, wave length, wave height, fetch • Types of waves & Characteristics of constructive & destructive waves
2	• Waves (continued) • Coastal **erosion processes**	• Factors determining size & energy of waves • How waves break • Coastal erosion processes- hydraulic action, abrasion, solution & attrition
3	• **Transportation** and **deposition** • Coastal **erosion landforms**	• How waves transport and deposit eroded material • Definition and explanation of longshore drift • Groynes • Landforms of coastal erosion- cliffs, wave-cut platforms
4	• Coastal erosion landforms (continued)	• Landforms of coastal erosion- caves, arches, stacks, stumps, bays & headlands
5	• TEST #1 • Landforms of **coastal deposition**	• Landforms of coastal deposition- beaches, spits, tombolos, bay-bars
6 7	• **Coral Reefs** • **Mangrove Wetlands**	• Types of coral reefs- fringing, barrier and atoll • Conditions for coral reef growth • Importance of coral reefs • Factors causing damage to coral reefs • Consequences of coral reef destruction • Importance of mangrove wetlands in the Caribbean
8	• **Limestone**	* Characteristics of limestone • Processes occurring in limestone areas- carbonation & evaporation & deposition
9	• Limestone (continued)	• Formation of surface landforms- sinkholes, clints, grykes, etc. • Formation of underground landforms- caves, stalactities, stalagmites, pillars, underground rivers
10	• Review	• Review of all topics for end of term exam

TERM III (11 weeks)- WEATHER, CLIMATE, VEGETATION & SOIL

WEEK	TOPIC	CONTENT
1	• Review end of term test paper • Introduction • Factors influencing weather and climate	• Difference between weather and climate • Latitude, Altitude, Relief
2	• Factors influencing weather and climate (continued)	• Distance from the sea(continentality) and winds(land and sea breezes and prevailing winds)
3 4	• Rainfall and temperature graphs and maps • Caribbean weather systems • Caribbean weather systems(continued)	* Range, seasons, relationship between temperature and rainfall\. * Weather conditions associated with tropical waves, ITCZ, cold fronts anticyclones (Before, During and After) • Hurricanes- origin and development • Conditions for hurricane formation • Cross section of a hurricane • The structure of a hurricane • Weather conditions associated with hurricanes(Before, During, After) • Saffir-Simpson Scale • Preparing for hurricane * Caribbean weather systems- **pattern of isobars**; relevant symbols and wind direction for each.
5	• **Equatorial & Tropical Marine climates** • **Vegetation**	• Characteristics of Equatorial and Tropical Marine climates- temperature, precipitation, pressure. • Adaptations of vegetation to the environmental factors of climate, soil, biotic conditions(including humans)
6	• **Vegetation** (continued)	• The inter-relationship among climate, vegetation and soil seen in the characteristics of the **Tropical Rainforest biome**: types of trees; types of leaves and roots; structure; species composition; seasonality. • Positive impacts (sustainable management) and negative impacts (deforestation, soil erosion, soil exhaustion) of human activities on tropical forests' biomes.
7	• **Soil**	• Major constituents of soil: organic and inorganic matter, bacteria, water and air. • Factors influencing the formation of **Latosols** : interaction amongst climate, vegetation, biota and water in soil.
Project 7	• **Greenhouse Effect** • **Global Warming**	* Insolation, radiation and the role of greenhouse gases in heating the earth. • Human activities that contribute to global warming and influence climate change(deforestation)
    8	• **Climate Change**	• Examples of the consequences of climate change in the Caribbean and USA or UK e.g sea level rise-examples of increased incidence of coastal flooding, impacts on corals reefs, coastal wetlands and settlements; changes in weather patterns and their impacts. • Measures to reduce the effects of climate change in the Caribbean and USA or UK e.g mitigation measures including reduced emissions, sustainable forestry, education. • Review of Term's Work

TABLE LISTING THE TOPICS OF EACH SCIENCE SCHEDULED TO BE COVERED IN THE 2019-2020 ACADEMIC YEAR IN FORM FOUR *

Form 4	Biology	Chemistry	Physics
Term 1	❖ Respiration ❖ Transport in Plants ❖ Transport in Animals ❖ Growth and Asexual Reproduction	❖ Acids,Bases and Salts ❖ Oxidation and Reduction	❖ Mechanics
Term 2	❖ Cell Division (Mitosis/Meiosis) ❖ Sexual reproduction in Plants ❖ Sexual Reproduction in Animals	❖ Moles ❖ Electrolysis	❖ Thermal Physics and Kinetic Theory

Term 3	❖ Genetics ❖ Evolution	❖ Metals ❖ Non-metals	❖ Waves ❖ Optics

*This information is to be used only as a guide and is subject to change. Please refer to the relevant CXC syllabus.

CARIBBEAN HISTORY

FORM 4

MRS. RAHAMAN

2019/2020

TERM 1: 15 Weeks

2ND SEPTEMBER – 13TH DECEMBER

WEEK

1

The Indigenous Peoples and the Europeans

-Migratory and Settlement patterns of the Indigenous people.
-Social and Political organization of the Taino.

2

Indigenous Peoples and the Europeans

-Religious practices and Customs of the Taino

-Gender relations, Trade and Technology of the Taino.

3

Indigenous Peoples and the Europeans

-Social and Political organization,
-Religious practices, Customs of the Kalinago.

- **ASSESSMENT 1**

4

Indigenous Peoples and the Europeans

- Gender relations, Trade and Technology of the Maya.
- Social and Political organization, Religious practices, Customs of the Maya.

5

Indigenous Peoples and the Europeans

- Interaction of the Indigenous peoples.
- Indigenous Art Forms e.g. architecture, music, pottery etc.

-**ASSESSMENT 2**
-

6

Indigenous Peoples and the Europeans

- Columbus' voyages: i. motives for…

ii. results of…

-Interaction of Indigenous and European cultures
-Enslavement of the Indigenous people

7 MID TERM EXAMINATION

8

The Europeans

- European rivalry in the Caribbean up to the end of the 17th century:
    i. settlement

-British, French and Dutch mercantilism:
    i. its implications for labour

9

The Europeans

- European rivalry in the Caribbean up to the end of the 17th century:
    i. trade and piracy
    ii. privateering and buccaneering

10

The Europeans

-British, French and Dutch mercantilism:
    ii. the economy
    iii. colonization of the region

11

The Economic Revolution and the Coming of the Africans

-Aspects of West African culture:

i. economic organization
ii. social relations
iii. religious organization
iv. political organization

-Reasons for change from tobacco to sugar

12

The Economic Revolution and the Coming of the Africans

- Social, Economic and Political changes accompanying the change from tobacco to sugar

13

-Revision
-School Based Assessment Consultation

14

-Revision
-Examination

15

-Examination
- Report

CARIBBEAN HISTORY

FORM 4

MRS. RAHAMAN

2019/2020

TERM 2: 13 WEEKS

6TH JANUARY – 3RD APRIL

WEEK

1

The Economic Revolution and the Coming of the Africans

- Review of exam script
- Social, Economic and Political changes accompanying the change from tobacco to sugar

-The coming of the Africans:

i. Transportation
ii. Experiences on arrival in the Caribbean

2

The Economic Revolution and the Coming of the Africans

-Plantation Society:

i. Social Organization
ii. Economic Organization
iii. Political Organization

3

Resistance and Revolt

-Forms of slave control in the British territories
-Forms of slave control in the French territories
-Forms of slave control in the Spanish territories

4

Resistance and Revolt

-Comparison of forms of slave control in the British, French and Spanish territories

-Forms of resistance to slavery: i. Passive resistance

5

Resistance and Revolt

-Forms of resistance to slavery:

ii. Active resistance

iii Gender-specific resistance

-Origins and development of the Maroons in Jamaica

6

Resistance and Revolt

- Origins and development of the Maroons in Suriname

-Origins and development of the Maroons in Guyana

7

Resistance and Revolt

- Origins and Course of the Haitian Revolution
- The effects of the Haitian Revolution on Haiti and the wider Caribbean

8

Resistance and Revolt

- The Berbice Revolt
- The Barbados Revolt

9

Resistance and Revolt

- The Jamaica Revolt
- The impact of slave revolts on the Emancipation process
- School Based Assessment

10

Emancipation and Apprenticeship

-Factors that led to the abolition of the Slave Trade (social and economic)
-The Amelioration Proposal

-Factors which led to the abolition of Slavery in the British, French and Spanish
-Colonies: social, economic and political

11

Emancipation and Apprenticeship

- The Emancipation Act

12

- Revision
- Examination

13

- Examination
- Report

CARIBBEAN HISTORY

FORM 4

MRS. RAHAMAN

2019/2020

TERM 3: 11 WEEKS

20TH APRIL – 3RD JULY

WEEK

1

Emancipation and Apprenticeship

- Review of exam script
- The Emancipation Act

2

Emancipation and Apprenticeship

- Apprenticeship

3

The Chinese, Europeans, Indians and Africans

- Aspects of Chinese, European and Indian society in the 19th century

- Push and Pull factors that led to the migration Chinese and Indians

  To the Caribbean

4

The Chinese, Europeans, Indians and Africans

- Aspects of Chinese, European and Indian society in the 19th century

5

The Chinese, Europeans, Indians and Africans

- Push and Pull factors that led to the migration Chinese and Indians

to the Caribbean.

6

The Chinese, Europeans, Indians and Africans

- Problems associated with the settlement of Immigrants

- Effects of immigration on the social, economic and cultural life of the Caribbean

7

The Chinese, Europeans, Indians and Africans

- Effects of immigration on the social, economic and cultural life of the Caribbean

8

Social and Economic Conditions in the 20th Century

- Social and Economic Conditions in the British Caribbean before 1935 (health, education, housing, cost of living, working conditions, unemployment)

9

Social and Economic Conditions in the 20th Century

- Social and Economic Conditions in the French Caribbean before 1935 (health, education, housing, cost of living, working conditions, unemployment)

10

-Examination

11

-Examination
-Report

Teacher: Andre Benjamin
Form: 4
Subject: Economics
Term I 2019/2020

Week	Scheme Of Work
1	Introduction • Overview of Syllabus **Start: Section One- The Nature of Economics** **TOPIC ONE-** . Economics as a Social Science: (a) the creation of wealth out of scarce resources; (b) the production and distribution of goods and services; (c) the behaviour, interactions and welfare of those involved in the process; (d) economics as a trade off.
2	Topic one Cont'd (c) the behaviour, interactions and welfare of those involved in the process; (d) economics as a trade off. END OF TOPIC ONE
3	Topic Two: An Economy as a mechanism a) organization of resources for production of goods and services; (b) satisfaction of society's needs and wants
4	Topic Three- Main Sectors of the Economy Topic Four- Concepts of Scarcity and Choice
5	Topic Five- Opportunity and Money Costs Topic Six- Illustration of the Production Possibility Curve
6	*Midterm Exam* Topic Six- Illustration of the Production Possibility Curve (Cont'd) Topic Seven- Influences on consumers in making economic decisions. Topic Eight- Influences on producers in making economic decisions.
7	Topic Eight- Influences on producers in making economic decisions. End of Section One
8	**Section TWO:PRODUCTION, ECONOMIC RESOURCES AND RESOURCE ALLOCATION** Topic One- Definition of Production Topic Two- Differences between Production and Productivity Topic Three- Factors of Production

9	Topic Four- Types of Resources as Factors of Production Topic Five- Rewards of Factors of Production
10	Topic Six- Description of the Factors of Production • Land • Labour • Capital • Entrepreneurship
11	Topic Seven- Fixed, variable, total, average and marginal costs. Topic Eight- Differences between short run and long run. Topic Nine- Goods (tangible) and services (intangible).
12	Topic Ten- Resource allocation: what to produce; how much to produce and for whom to produce. Topic Eleven- Types of economic systems: (a) traditional (subsistence farming, bartering); (b) command or planned (socialist); (c) free or capitalist (market); (d) mixed (public and private).
13	Review and Past Papers