

Immaculate Conception High School

Department of Geography

Grade 7

2017-2018

Class Organization:

- ❖ Each grade 7 class has two (2) scheduled contact periods each week for Geography- a double (1 hr & 10 mins.)
- ❖ All three aspects of Geography – Physical, Human and Mapwork Geography topics are covered during the double period.

TERM 1

• **Background to Geography**

- Definition of Geography
- Themes of geography
- The importance of Geography
- The branches of Geography and why they are so named
- Careers of Geography
- Tools and methods of Geographical investigation:
 - ✓ *Questionnaires, interviews, observation, photographs, sketches, etc.*
 - ✓ Construct and interpret Tables from data collected
 - ✓ Interpret geographical data from photographs
 - ✓ Construct and interpret bar graphs from data collected

Introduction to mapwork

- Map: definition, importance
- Types of maps and their uses: physical, political, economic, climate etc.
- The difference between map, plan, sketch, diagram and photograph
- Qualities of a good map and importance of each feature: title, scale, key/legend, north line, border/frame

- Conventional symbols used on large –scale maps to show church, school, height, vegetation and roads

Planetary Science

- Formulate definitions for the terms Universe, Galaxy, Solar System, Planet, Outer Space, Dwarf Planet, Star, Meteor, Meteoroid, Meteorite, Moon, Asteroid, Comet
- Describe the components of the Solar System
- Classify planets according to composition and size
- Understand that weight is a measure of gravitational attraction
- Investigate the impact that objects in space have on Earth

Jamaica: Population, Migration and Settlement

A. Position, size, political divisions i.e. countries and parishes -Physical features- Landforms and Rivers

- Locate Jamaica on a map of the Caribbean and on a map of the world.
- Describe the location of Jamaica using latitude and longitude.
- Name and locate the capital of each parish.
- Name the three counties and the parishes which make up each.
- Name and locate the main physical features of Jamaica on a map.
- Explain the significance of Jamaica’s main physical features.

B. Population – Settlement and Distribution Distinguish between rural and urban areas, with examples

- Define the terms: population, census, dot map, choropleth map, population distribution and the location of settlements.
- Describe Jamaica’s population distribution.

- Explain the factors influencing population distribution and location of settlements in Jamaica.
- Students should be able to interpret dot maps
- Draw simple bar graph to show population of Jamaica by parish
- Distinguish among different types of settlement patterns.
- Describe a few differences between rural and urban areas in Jamaica (population size, main function, infrastructure, amenities etc).

C. Migration

- Explain the pattern of movement of people, internally and externally.
- Identify the main types of migration in Jamaica
- Brief look at causes, effects and solutions to migration specifically rural-urban migration.
- Students should be able to construct and interpret simple flow charts

Term 2

Scales

- Types of scales- linear, ratio/R.F, Direct statement.
- Measure straight line distances

The hydrological cycle

- Describe the main processes in the hydrological cycle, namely infiltration, percolation condensation, evaporation, surface run-off
-Transpiration, groundwater flow, source, river, aquifer and through flow
- State the different forms of precipitation-sleet, hail snow etc.
- Identify the processes that give rise to rivers in the hydrological cycle
- Create a flow chart to establish relationship among processes in the hydrological cycle.
- Draw a diagram to show the long profile of a river

Definition of weather

- Define the terms weather and climate
- Identify the elements of weather, their unit of measurement and the instrument used in measuring the elements
- Should be able to explain how to read each instrument.

Weather elements and instruments

- Explain how to read each instrument.
- Interpret temperature graphs and bar graphs
- Draw and label simple outlines of each instrument.

Extreme Weather

- Describe the concept of an extreme weather
- Differentiate between normal atmospheric events and extreme weather events
- Identify extreme weather event: drought, floods and hurricanes

- Identify specific events and describe the actual impacts on a named Caribbean country.
- Write a simple weather report from weather data collected
- Propose an individual plan to prepare adequately for droughts, floods and hurricanes
- Describe the preparation made by government agencies and NGOs for hurricane, drought and floods.
- Categorize activities undertaken by the individual or agencies into groups: Before the event, during the event and after the event.

TERM 3

Compass direction

- Draw and label
- give direction using an 8 point compass

Earth Exterior Structure

- Give examples of minerals and their uses.
- Define: sedimentary, metamorphic and igneous rocks
- Describe at least two main features of each of the main types of rocks
- Briefly explain how each type of rock is formed
- Give examples of the different types of rocks.
- Briefly describe the uses of one type of rock from each of the main type
- Identify rock types covering Jamaica and influence of this
- Draw and explain the rock cycle

Grid reference

- Differentiate between easting and northing.
- Locating places using Four-figure grid reference

Resources and Classification of economic activities:

- Define the term: resources, Human resources, Natural resources and economic activities
- Identify the types of resources used in Jamaica
- Classification of human activities into primary, secondary, tertiary industries.
- Locate on a map the types of primary economic activities in Jamaica (namely: fishing, farming and mining)
 - Analyse and construct pie charts showing economic activities in Jamaica Define: agriculture, commercial farming and peasant farming
 - Identify the main types of farming practice in Jamaica
 - Discuss the problems affecting farming in Jamaica and possible solutions.
- Look at agriculture and contribution to deforestation in Jamaica.