ST. MARY'S COLLEGE
GEOGRAPHY COURSE OUTLINE
FORM 3
This course outline is guided by the CSEC Geography Syllabus (2017)

TERM 1- INTERNAL FORCES				
WEEK	**UNIT**	**MODULE**	**GENERAL OBJECTIVES**	**SPECIFIC OBJECTIVES**
WEEK 1	1	Structure of the Lithosphere	Describe the internal structure of the earth	Describe internal structure of the earth (**continental and oceanic plates, crust, mantle and core**) (Include the use of diagram)
WEEKS 2-4	2	Plate Tectonics	Explain the theory of plate tectonics	Understand the theory of plate tectonics
				Knowledge of the global distribution of plates, including plates adjacent to the Caribbean Plate (using diagrams)
			Describe the consequences of the movement of plates	Identify the types of plate boundaries (including alternate names), including plate movement and features (using diagrams)
				Explanation of the features and landforms created at margins (**ocean trenches, island arcs, ocean ridges, fold mountains**)
WEEKS 5-6	3	Folding and Faulting	The occurrence and the distribution of earthquakes, island arcs, volcanoes, fold mountains, major faults and ocean trenches	Define the terms 'folding' and 'faulting'
				Identify the parts of a fold
				Using diagrams, identify the types of folds
				Using diagrams, explain the formation of fold mountains at different plate margins
				Using diagrams, identify the types of faults
				Explain the formation of block mountains and rift valleys
WEEK 7	4	Earthquakes	The occurrence and the distribution of earthquakes, island arcs, volcanoes, fold mountains, major faults and ocean trenches	Using the Plate Tectonics theory, understand the occurrence of earthquakes
				Differentiate between the 'focus' and 'epicentre' of an earthquake
				Understand how earthquakes are detected and measured
WEEKS 8-9	5	Volcanoes	Explain the formation of intrusive and extrusive volcanic features	Using the Plate Tectonics theory, understand the location and formation of volcanoes
				Using diagrams, identify the parts of a volcano, including intrusive and extrusive features
				Understand the relationship between the type of lava and type of volcano and eruption caused
				Explain the formation of extrusive and intrusive features (including types of volcanoes) and how they change over time

WEEKS 10-11		Mapwork	Acquire practical skills and techniques in drawing sketch maps and in reading and interpreting maps	*Review of basic mapskills done in Forms 1 & 2, particularly:*
				Essential elements of maps (title, scale, legend, north point and border); placement of labels and the use of colours); read and interpret conventional (map) symbols
				Grid references – 4 and 6 figures
				Compass Direction (16 points)
				Grid bearings measured clockwise from Grid North (indicated by the direction of the Easting lines)
				Measuring straight and curved distances (to nearest 100 metres)
WEEK 12		Revision	Assess knowledge and understanding of key concepts	Review of Term 1 work

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TERM 2- EXTERNAL FORCES				
WEEK	**UNIT**	**MODULE**	**GENERAL OBJECTIVES**	**SPECIFIC OBJECTIVES**
WEEK 1	6	Rocks	Describe the formation of the three types of rock	Define the term 'rock'
				Using examples, identify the three types of rocks
				Understand, using the rock cycle, the formation of the types of rocks (include the use of the diagram)
WEEKS 2-3	7	Weathering	Define weathering	Define the following terms: 'weathering' (emphasising the “in situ” condition), 'denudation'
			Explain the processes of weathering	Explain the processes of physical weathering: **frost action and exfoliation** (location, process and results)
				Explain the processes of chemical weathering: **carbonation and hydrolysis** (location, process and results)
				Explain the processes of biological weathering (location, process and results)
WEEK 4	8	Mass Movement/Mass Wasting	Explain the processes of mass movement	Definition of term 'mass movement' or 'mass wasting'
				Explain the causes and results of mass movement (**soil creep and landslides**)
WEEK 5	9	Limestone	Explain the formation of limestone features in the Caribbean	Describe the characteristics of limestone (chemical composition, rock structure, permeability)
				Using maps, identify areas in the Caribbean where karsts landscapes and features can be found
				Explain the processes leading to the formation of limestone features created on the surface (**clints and grykes, surface depressions, cockpits, swallow holes**) and underground (**caves, stalactites, stalagmites, pillars, underground rivers**) (use diagrams to illustrate the features)
WEEKS 6-8	10	Rivers	Describe the hydrological cycle	Describe the hydrological cycle (evaporation, condensation, precipitation, transpiration, run-off, infiltration, through-flow, percolation, ground water flow) and its features (springs, aquifers, water table) (include the use of the diagram)
			Describe river processes	Describe river processes (erosion, transportation, deposition)
			Describe drainage patterns	Using diagrams, describe drainage Patterns (dendritic, trellis, radial) and their relationship to rock type and geology

			Explain the formation of river landforms	Explain the formation of river landforms (**river valleys, rapids, waterfalls, meanders, ox-bow lakes, flood plains, braiding, river cliffs, point bar, deltas**)
WEEKS 9-11/12		Mapwork	Use contour lines to differentiate among steep, moderate and gentle slopes. as well as Interpret geographical features	Identify variations in slope – steep, moderate and gentle
				Identify types of slopes (**concave, convex, straight, terraced/stepped**)
				Use contour lines to determine the nature and height of slopes (**steep, gentle, ridges, plateaux, escarpments, cliffs, passes (cols, saddles**)
			Draw and interpret cross sections and sketch sections	Constructing cross sections and sketch sections including inter-visibility (profile view of the landscape and relief and whether or not one point could be seen from another)
			Calculate gradients	Calculate gradient, using ratios and percentages

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TERM 3- AGRICULTURE				
WEEK	**UNIT**	**MODULE**	**GENERAL OBJECTIVES**	**SPECIFIC OBJECTIVES**
WEEKS 1-6	11	Agriculture	Explain the factors influencing the development of agriculture in the Caribbean	Describe the historical, physical, human and economic factors associated with agriculture
			Locate areas in the Caribbean where commercial farming (both large-scale and small-scale) and subsistence farming are important	Using maps, name and locate areas in the Caribbean where commercial farming (both large-scale and small-scale) and subsistence farming are important
			Compare the characteristics of large scale and small scale commercial farming in a named Caribbean country	Describe the characteristics of large scale and small scale commercial farming in a named Caribbean country (**size of farm, ownership, labour, farming practices, products, markets, technology**) **[Case Study]**
			Compare the characteristics of sugar cane farming in Guyana with sugar cane farming in Brazil	Compare the characteristics of sugar cane farming in Guyana with sugar cane farming in Brazil [**acreage, farming practices, labour, technology (for example, the use of materials, tools, techniques and sources of power to improve productivity), and markets**] **[Case Study]**
			Compare the ways in which changes in commercial farming in the Caribbean and in Brazil impact their economic development	Compare the ways in which changes (for example, government policies (including issues of food security), bio-fuels, value-added products, technology, shade houses, new markets) in commercial farming in the Caribbean and in Brazil impact their economic development (for example, cost and availability of traditional products, income, government revenue, job opportunities, diversification) **[Case Study]**
			Explain the ways in which agriculture can contribute to environmental degradation in the Caribbean	Explain, using examples, the ways agricultural practices and activities can contribute to environmental degradation (examples – deforestation, soil erosion and soil exhaustion, flooding, pollution)
WEEK 7		Mapwork	Assess knowledge and understanding of key concepts	Review mapskills concepts done in Terms 1 & 2
WEEK 8/9		Revision	Assess knowledge and understanding of key concepts	Revision of Form 3 work (Terms 1-3)