

**THE MINISTRY OF EDUCATION TECHNICAL & VOCATIONAL TRAINING**  
**GEOGRAPHY CURRICULUM PACING GUIDE COURSE OUTLINE 2022-2023**

**SENIOR HIGH SCHOOL**

The Geography Curriculum Pacing Guide is projected to assist students' progress and expected outcomes. Students will learn problem-solving skills and have an appreciation for various integrated disciplines such as Environmental Studies, Economics, Mathematics, Science, Technology, Engineering and History.

Students will learn about human, physical, environmental, economic and cartography geography. The document covers grades 10-12 and upon completion of grade 12, students are expected to complete the Geography Bahamas General Certificate of Secondary Examination. Teachers are reminded that it is a guide and upon completion of topics they are to use assessments tailored for student's needs. Additionally, teachers are reminded that they can move on to topics once objectives were achieved.

**Course Description:**

Students demonstrate critical thinking, project based learning and problem-solving skills.

Students demonstrate that they are able to conduct research and work collaboratively.

Students demonstrate that they have an appreciation for the earth, its' citizen and natural environment.

**Prerequisites:** Students must be enrolled in grades 10, 11 and 12. Should possess BJC Social Studies with a pass of A-D.

**Exit Competency:** The National High School and BGCSE Geography

## Geography

### Grade 10 Curriculum Pacing Guide

#### 12 Weeks

#### Week 1

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>What is Geography?</b> <b>Why Study Geography?</b> <b>5 Themes of Geography</b> <b>Geography in Today's World</b> <b>Careers in Geography</b> <b>What are the Sustainable Development Goals?</b>	Define the word "geography" Examine the importance of studying geography Illustrate the 5 themes of geography Discuss various careers in the field of geography Outline how to use geographic skills List geographical tools and explain how they are used List the 17 Sustainable Development Goals Evaluate the connection between each goal & geography	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions  <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days

#### Week 2

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>External Earth Movement: Earth Part As The Solar System</b>  <b>External Earth Movements: Rotation &amp; It's Results</b>	Differentiate between Rotation and Revolution Illustrate how rotation results in Day and Night Calculate the time moving East or West along given longitudes Examine important lines of latitude Locate lines of latitude on a map	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping skills  <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum Mathematics Curriculum Guide BJC Mathematics Syllabus	3 days

Week 3				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Results of Revolution</b> <b>Changes in position of overhead sun</b> <b>The Seasons,</b> <b>Solstice &amp; Equinoxes,</b>	Locate and name the position of the overhead sun at given times during the year Explain why the seasons occur differently in the two hemispheres Draw and label diagram showing the seasons, solstices & equinoxes as they occur Calculate the time moving East or West along given longitudes Illustrate the results of revolution	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating distances, mapping skills, Venn diagrams, oral presentations, structured questions, source evaluation, virtual tour of Google Earth questions <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days
Week 4				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Structure of The Earth</b> <b>Shape of the Earth and It's Proof</b> <b>The Core, Mantle &amp; Crust</b> <b>Layers of the Crust or Parts of the Crust</b>	Suggest evidence to support the idea of the earth being round or spherical Draw and label a diagram showing the layers of the earth and their borders Distinguish between the continental and oceanic crust Compare the layers of the earth according to size, density, temperature and material Identify the layers of the atmosphere Create a model of the layers of the earth	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum General Science Curriculum Guide	3 days
Week 5				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Theories of Plate tectonics &amp; Continental Drift</b>	Explain the beliefs of the Continental Drift Theory Examine the evidence supporting the theory Summarize different theorists' views Evaluate the relevance of the theory Define the term 'plates and plate margins/boundaries Demonstrate the movements occurring at each plate margin Illustrate the resulting features and activities Locate and name the types of plates and margins on a world map	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping skills <u>Summative</u> Case studies Projects Unit test	BJC Social Studies Syllabus Social Studies Curriculum	3 days

		Final Presentations		
Week 6				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Maps, Globe, Aerial Photographs Choropleths &amp; Flow Line Maps</b>	<p>Explain the purpose of a map</p> <p>State the essential features of a map</p> <p>Identify different types of maps</p> <p>Differentiate between globe and aerial photographs</p> <p>Compare Choropleths with flow line maps</p> <p>Illustrate features on choropleths</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping skills</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>BJC Social Studies Syllabus</p> <p>Social Studies Curriculum</p>	<p>3 days</p>
Week 7				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Location on A Map, Importance of GIS Components of GIS (Geographic Information System), Importance of GIS in Today's World, 5 Components of GIS Global Positioning System</b>	<p>Explain the importance of GIS</p> <p>List the 5 components of GIS</p> <p>Recommend various devices that use GIS</p> <p>Discuss the usefulness of ARC GIS</p> <p>Illustrate the importance of using a GPS</p> <p>Review the importance of GIS to geographers</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping skills, View Google Earth, use GPS tools</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>BJC Social Studies Syllabus</p> <p>Social Studies Curriculum</p>	<p>3 days</p>
Week 8				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Compass Direction, Using 16 Point Measuring Angles/Bearings Grid References: 4 Figure Grid References: 6 Figure</b>	<p>Outline the steps for finding compass direction of one place from another, using the 16-point compass</p> <p>Differentiate between a small scale and large-scale map</p> <p>Locate and name given features on a map, using the four and six figure grid reference</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping skills, view Google Earth, calculating four and six figure references</p>	<p>BJC Social Studies Syllabus</p> <p>Social Studies Curriculum</p> <p>Mathematics Curriculum Guide</p> <p>BJC Mathematics Syllabus</p>	<p>3 days</p>

		<u>Summative</u> Case studies Projects Unit test Final Presentations		
<b>Week 9</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Scales &amp; Distances</b> <b>Importance of Scales and Types</b> <b>Linear Scales, Expressing Given Statement Scales as Linear</b>	Convert given ration/fraction scales to statement scales Express given statement scales as linear scales Measure and state the real/ground distance between places on a map. Compare the three types of scales Assess the importance of a scale on a map	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, mapping skills, measuring distances collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, calculating fractions, converting fractions, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapwork <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum Mathematics Curriculum Guide BJC Mathematics Syllabus	3 days
<b>Week 10</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Map Symbols &amp; Interpretations</b> <b>Showing Reliefs on Maps,</b> <b>Introducing Interpretation</b>	Describe the three main ways in which height is usually shown on a map Calculate the contour interval of a given area on a map Estimate the height of given area on a map, using the contour lines, spot heights or trig stations present Evaluate the drainage of an area using map evidence only Illustrate the main economic activities of an area, using map evidence only Select the main services provided in an area based on map evidence Identify coastal features and other landforms of an area, as shown maps	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating distances, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapwork <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum Mathematics Curriculum Guide BJC Mathematics Syllabus Computer Aided Drafting Curriculum	3 days

Week 11				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Introduction to BGCSE Geography Coursework Skills</b>	Discuss how field work for coursework is conducted Examine how to use a Field Book Review methods of data collection, Explain how data is collected and presented Analyze samples of data collected Review how to design a hypothesis Summarize how to present a discussion in the coursework Discuss a sample coursework problem and give recommendations Evaluate the importance of coursework	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum BGCSE History Syllabus	3 days
Week 12				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Assessment: Revision</b> <b>Review Geography themes</b> <b>Review Mapping Skills and Structure of the Earth</b> <b>Unit Quiz, Test, Problem Based Activity, Case Study, Project</b>	Review the geographical terms, the 17 sustainable development goals Examine the different types of maps, explain how direction is calculated on a map, review measuring distances on a map, review different types of maps, Plate tectonics, and how to tackle BGCSE coursework skills	<u>Formative</u> Case studies, group presentations, Think pair hare group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum Mathematics Curriculum Guide BJC Mathematics Syllabus	3 days

## Geography

### Grade 10 Curriculum Pacing Guide Term II

12 Weeks				
Week 1				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
Revision of Topics of Term I	Review what is geography, careers in geography, the sustainable development goals, the external earth movements, rotation and revolution, results of revolution, changes in the overhead sun, the seasons, solstice & equinoxes, structure of the earth, shape of the earth and the core, mantle, crust, layers of the crust or parts of the crust, theories of plate tectonics, continental drift, map,	<u>Formative</u> Case studies, group presentations, Think pair hare group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations		3 days
Week 2				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
Minerals & Rocks: Bahamian Sedimentary Rock types	Differentiate between a rock and mineral Draw the rock cycle Classify the three main types of rocks and their formation Examine the types of sedimentary rocks and their importance to The Bahamas Differentiate between an Igneous rock and Metamorphic Rock Illustrate examples of each rock type Discuss the importance of rocks and minerals in our daily lives	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions review rocks collected on school sites, watch Youtube video on rock cycle  <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum Mathematics Curriculum Guide BJC Mathematics Syllabus	3 days
Week 3				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
Earth Movements Folding of Rocks	Explain the term “folding of rocks” List and illustrate the four main types or stages of folding Draw and label the parts of a fold Illustrate the various stages of a fold Discuss the formation of fold mountains	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips,	BJC Social Studies Syllabus Social Studies Curriculum	3 days

	Summarize the importance of fold mountains Differentiate between a fold and a fault	illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, <u>Summative</u> Case studies Projects Unit test Final Presentations		
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**Week 4**

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Earth Moments: Faulting</b>	Explain “faulting” of rocks Differentiate between an active fault and inactive fault Illustrate the types of faults Discuss the formation of rift valleys and horsts Compare a rift valley and horst as well as their uses Defend the importance of faulting as part of earth’s movement	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days

**Week 5**

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Earthquakes: Regional Impact on The Bahamas</b>	Define the word earthquake Examine the causes of earthquakes Identify the parts of an earthquake Name and locate the earthquake belts around the world Demonstrate how earthquakes are recorded Compare the Richter Scale and the Mercalli Scale that measure earthquakes	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video on Earthquake in Haiti, poster designs, diorama, webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping skills <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days

Week 6				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Earthquakes: Regional Impact on The Bahamas</b>	Explain how tsunamis occur Outline the impact of a tsunami Classify the primary and secondary effects earthquakes have on earth's surface Compare the impact on More Economically Developed Countries (MEDCS) to Less Economically Developed Countries (LEDCS) Discuss how earthquakes in the Caribbean region impacted The Bahamas Recommend mitigation and resilience strategies for earthquakes	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video on Earthquake in Haiti, poster designs, diorama, webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, mapping skills <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days
Week 7				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Vulcanicity: Types, Benefits/Disadvantages, Effects of Active Volcanic Activity, Sustainable strategies of reducing volcanoes</b>	Locate and name the main volcanic regions of the world Predict how volcanic eruptions occur Distinguish between intrusive and extrusive vulcanicity Examine the stages of a volcano Construct parts of a volcano Label diagrams showing features of intrusive and extrusive vulcanicity Describe the material that may be found in an eruption Compare and contrast acid lava versus basic lava Discuss the types of volcanic cones Using a case study, critically, evaluate the negative and positive effects of vulcanicity Outline sustainable strategies to help reduce the negative impact of volcanoes	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, map work, video on Volcanoes in the Caribbean and in Hawaii, Venn diagrams, oral presentations, structured questions, source evaluation questions, <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days
Week 8				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Hydrological Cycle &amp; Ground Water</b>	Explain the hydrological cycle Construct a model to illustrate how the cycle works Examine the relationship between the cycle and ground water Articulate the importance of water to the earth Outline the formation and structure of the underground water zone	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Visit to a Water Factory, Field Trip To A Water Well, Water & Sewerage, Pond or Lake	BJC Social Studies Syllabus Social Studies Curriculum	3 days

	Describe several ways in which springs are formed Illustrate the characteristics of an Artesian Basin Assess the importance of groundwater and its uses in The Bahamas Evaluate the impact of pollution on ground water in The Bahamas Justify the importance of conservation and methods to prevent pollution	<u>Summative</u> Case studies Projects Unit test Final Presentations		
<b>Week 9</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Map work: Review of Basic Skills</b>	Explain the purpose of a map Review parts of a map Express how to locate directions features and places on a map Differentiate between a small scale and large-scale map Asses the importance of a scale on a map Measure and state the real distance on a map Show the three main ways in which height is usually shown on a map Discuss the importance of contours on a map	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, map work, calculating distances on a map <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days
<b>Week 10</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Analyzing&amp; Interpreting Graphs, Bar Graphs, Pie Charts</b>	Define the word graph State the types of graphs used in geography skills Compare different types of graphs Distinguish between graphs and pie charts Discuss the importance of data usage Summarize how data is collected Cite examples of how data is used on graphs Illustrate how to analyze data Analyze critically, selected data on different graphs and charts	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, designing, charts, collecting data, building graphs and pie charts <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days

Week 11				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Coursework Strategies</b>	Discuss how field work for coursework is conducted Examine how to use a Field Book Review methods of data collection Explain how data is collected and presented Analyze samples of data collected Review how to design a hypothesis Summarize how to present a discussion in the coursework Discuss a sample coursework problem and give recommendations Evaluate the importance of Coursework	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, graphing, drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Social Studies Syllabus Social Studies Curriculum	3 days
Week 12				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Assessment: Revision of Physical Geography External Earth Movements To Folding &amp; Faulting</b>	Review how plate tectonics occur, explain the different theories surrounding plate tectonics, demonstrate the process, explain the importance of lines of latitude and longitude, locate lines of latitude on a map, calculate time and illustrate important lines, outline the types of rock, discuss the rock cycle, the importance of rocks and minerals in the lives of people, review how folding of rocks occur and in which places, express how faulting takes place, examine the impact of earthquakes on lives, discuss how they occur and where earthquake belts are located, provide sustainable strategies, discuss vulcanicity and the different types of volcanoes, explain how they occur	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations		3 days

## Geography

### Grade 11 Curriculum Pacing Guide Term I

#### 12 Weeks

#### Week 1

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Weathering Features of Limestone</b>	Explain the word “weathering” as a geographical concept Sketch a diagram to reflect how weathering takes place List the three main types of weathering process Illustrate the relationship between denudation, weathering, erosion and mass wasting Differentiate between the three types of weathering and the processes involved for each type Identify the climatic zones where each process is most common Discuss how each process occurs and the resulting features Justify how limestone rocks is prone to chemical weathering Using local examples, illustrate the formation of the various limestone features Assess the influence of climate on the weathering processes Examine the influence of rock type and time on the weathering process	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, Virtual Tour of Water Parks eg. Wilson Pond, Lake Killarney, Visit to Water and Sewerage, Visit to A Well, Water Bottling Company <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide Health Science Curriculum Guide BGCSE Biology Syllabus BJC Health Science Syllabus	3 days

#### Week 2

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Features of Limestone Weathering Formation of Limestones: Blue holes, Caves, Sink Holes, Poljie, Karst Scenery</b>	Describe how blue holes are formed Name and locate famous blue holes in The Bahamas Illustrate features of blue holes Discuss different types of caves and their formations Identify famous caves found in The Bahamas Show features found in a cave Differentiate between stalagmites and stalactites Illustrate how sink holes are formed Outline uses and importance of each feature Locate places where poljie and karst scenery are found Explain the characteristic feature	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide Health Science Curriculum Guide BGCSE Biology Syllabus BJC Health Science Syllabus	3 days

Week 3				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Mass Wasting Movements- Slow &amp; Fast</b>	Define mass movement Describe causes of movements Examine the impact of mass movement on the environment citing local or regional examples Identify from diagrams specific types of fast and slow movements Discover slope and conditions for natural mass movement action Compare natural conditions and man induce activities which cause mass movement Suggest methods of slope control	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, Filed Trip to a Cave, Blue Hole, Hill, Virtual Field Trips <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide Health Science Curriculum Guide BGCSE Biology Syllabus BJC Health Science Syllabus	3 days
Week 4				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Surface Water- Rivers parts</b> <b>Functions of river erosion</b> <b>Transportation, deposition stages</b> <b>Features of a River</b> <b>Rivers on Ordnance Survey Maps</b>	Define the words, river, lake, tributaries, flood plain, source, mouth and delta Create a portrait of a river showing the major parts and profiles Demonstrate the functions or work of a river.  Explain the processes by which they are carried out Identify the stages of a river Examine the appearance, activities and resulting features at each stage Describe the four ways a river erodes, load, bed and sides Discuss energy and how it is related to the work of rivers Hypothesize why The Bahamas does not have rivers Name and locate famous rivers on an Ordnance Survey map Summarize the uses and importance of rivers in our daily lives	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	Physics Curriculum Guide	3 days
Week 5				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Surface Water, River Flooding</b>	Discuss how river flooding occurs Outline how river flooding can be prevented or controlled Illustrate how lakes were formed in The Bahamas Name and locate lakes found in The Bahamas	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster	Biology Curriculum Guide Health Science Curriculum Guide BGCSE Biology Syllabus	3 days

	Justify why lakes are important to The Bahamas Compare and contrast lakes and rivers	designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions, Virtual Field Trip, Filed Trip at a Seaport <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Health Science Syllabus BJC Social Studies Syllabus Social Studies Curriculum	
<b>Week 6</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Waves: Parts and Formation Functions of Waves: Erosion, Transportation, Features of Waves</b>	Define the word coast Identify parts of a coast Explain how waves are formed Describe properties of transverse waves Draw and label parts of a transverse wave Discuss the main functions of waves Examine how waves causes erosion List the four main wave processes Outline the processes involved in hydraulic action, corrosion, abrasion and attrition Compare and contrast constructive and destructive waves	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, Virtual Field Tours <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide Health Science Curriculum Guide BGCSE Biology Syllabus BJC Health Science Syllabus Social Studies Curriculum BJC Social Studies Syllabus	3 days
<b>Week 7</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Features of Wave Erosion: Coast, Tidal Pool Depositional Features: Spit, Bars, Tombolo, Beaches</b>	Draw sketches of coast and tidal pool Explain how wave action helped with their formation Label parts of coast Discuss how spit, bars and tombolo are formed Outline features associated with each formation Describe how beaches are formed along a coastline Differentiate between barrier islands and barrier beaches	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, Filed Trip to a Coastline, Beach, Virtual Tour of a Beach <u>Summative</u> Case studies Projects	Biology Curriculum Guide BGCSE Biology Syllabus Social Studies Curriculum BJC Social Studies Syllabus	3 days

		Unit test Final Presentations		
<b>Week 8</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>The Coast: Coastlines, Importance &amp; Pollution Coastal Modification</b>	Define the word coast Identify parts of a coast List features formed along a coast Hypothesize how waves can increasingly erode a coastline Evaluate the impact of pollution and erosion on our coastline Discuss ways in which coastal erosion may be controlled or prevented	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus	3 days
<b>Week 9</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Coastal Erosion: Notch, Cliff &amp; Wave Cut Platform, Caves, Arches, Stacks, Headlines &amp; Bays</b>	List factors that cause coastal erosion Describe the process of coastal erosion Illustrate how waves help to create coastal erosion Explain how notches are created along the coastline Examine how cliffs are formed Discuss the formation of headlines Name and locate famous headlines found in the Caribbean Demonstrate how bays are formed Compare and contrast caves, arches and stacks Cite various landforms as a result of coastal deposition	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus	3 days
<b>Week 10</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Coral Reefs</b>	Explain what coral reefs are Justify why coral reefs are important Outline the theories of coral reefs formation Describe how coral reefs are formed	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide	3 days

	Examine the conditions coral reefs need to thrive Show features of fringing reefs and barrier reefs Differentiate between great barrier reefs and patch reefs Distinguish between a coral reef and an atoll Identify and locate coral reefs under threat around the world	designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	BJC Health Science BJC Social Studies Social Studies Curriculum	
<b>Week 11</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Coral Reefs</b>	List types of coral reefs found in The Bahamas Evaluate threats to coral reefs Suggest ways in which the government of The Bahamas is protecting coral reefs Outline conservation methods to protect coral reefs	<u>Formative</u> Case studies, group presentations, Think pair hare group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions, Virtual Tour of the Sea, <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days
<b>Week 12</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Assessments: Revision of Grade Term II</b>	Review the hydrological cycle and the importance of water to mankind, features of weathering, types of weathering and how they impact rock formation , explain features of limestones such as caves, sinkholes, blue holes, poljie, karst scenery, explain the functions of rivers, illustrate parts of a river, list features of waves, describe waves in action, discuss erosion along the coastline, explain what is a coast, select features found on the coast, discuss the impact of pollution, point out various pollutants	<u>Formative</u> Case studies, group presentations, Think pair hare group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days

## Geography

### Grade 11 Curriculum Pacing Guide Term II

#### 12 Weeks

#### Week 1

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Weather Elements: Humidity, Precipitation, Visibility, Clouds Type &amp; Cover, Sunshine</b>	Discover what humidity is Outline how it is measured Explain how precipitation occurs Show the instrument used to measure rainfall Justify benefits of rainfall Hypothesize how too much rainfall can impact low-lying areas State what visibility entails Select how visibility is measured Explain how clouds are formed List the types of clouds Summarize how cloud cover develops Define sunshine duration Describe features of the sunshine recorder Evaluate sunshine duration measurement in The Bahamas	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating wind direction, Venn diagrams, oral presentations, structured questions, source evaluation questions, demonstrate how to read temperature with a thermometer, view videos showing how weather elements are measured, Field Trip to a Weather Station <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days

#### Week 2

Topics:	Objectives	Assessments	Curriculum Link	Time Span
<b>Weather Systems: Fronts, Hurricanes Impact on The Bahamas</b>	Define weather fronts List four main types of fronts Outline the related feature of each front Explain the word hurricane Discuss how hurricanes are formed Describe the characteristics of the eye of a hurricane Summarize terms such as hurricane warning, hurricane watch, alert and storm surge Categorize the levels of a hurricane Evaluate the effects of a devastating hurricane	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, demonstrate how to read temperature with a thermometer, view videos showing how weather elements are measured, Field Trip to a Weather Station <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days

**Week 3**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Weather Systems: Fronts, Hurricanes Impact on The Bahamas</b>	Elaborate on the impact of Hurricane Dorian on The Bahamas Suggest mitigation and resilience strategies that can be used for hurricane preparation Assess the level of preparedness for hurricanes in the Caribbean Investigate the role of NEMA (National Emergency Management Agency) Compare NEMA with CDEMA (Caribbean Disaster Emergency Management Agency)	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, demonstrate how to read temperature with a thermometer, view videos showing how weather elements are measured, Field Trip to a Weather Station, watch a video on Hurricane Dorian, Field Trip to A Hurricane Shelter  <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days
<b>Climate : World Climatic Zones, Types Equatorial, Savanna, Hot Desert, Tropical Continental Tropical Marine, Temperate Grasslands, Cold Temperate</b>	<b>Objectives</b> Explain the factors influencing climate Locate and name the main climatic regions and types on a world map Predict associated features of the Savanna or Sudan climatic zone Show features of hot desert or mid-latitude desert climatic zones Describe features found in the equatorial region Discuss features of tropical continental climatic zones Illustrate what is found in tropical marine zones Differentiate between temperate grasslands and cold temperate zones	<b>Week 4</b> <u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	<b>Curriculum Link</b> Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	<b>Time Span</b> 3days

**Week 5**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<p><b>The Bahamian Climate &amp; Climate Change</b></p> <p><b>Characteristics, Weather Systems Affecting The Bahamas &amp; The Caribbean</b></p>	<p>Describe the Bahamian climate</p> <p>Outline characteristics of the Bahamian Climate</p> <p>List the five main types of weather systems</p> <p>Describe what takes in each system</p> <p>Summarize how The Bahamas is being affected by climate change</p> <p>Discuss five global policies that are being implemented to help combat climate change</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions, demonstrate how to read temperature with a thermometer, view videos showing how weather elements are measured, Field Trip to a Weather Station, watch a video on Hurricane Dorian, Field Trip to A Hurricane Shelter</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>Biology Curriculum Guide</p> <p>BGCSE Biology Syllabus</p> <p>BJC Social Studies</p> <p>Social Studies Curriculum</p>	<p>3 days</p>

**Week 6**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<p><b>Vegetation major vegetation types i.e. forests, grasslands</b></p>	<p>Define the word “vegetation”</p> <p>Explain the term ‘natural vegetation’.</p> <p>List types of vegetation found in specific regions</p> <p>Locate and name the five main types of grasslands</p> <p>State the two types of vegetation found in The Bahamas</p> <p>Compare the pine forest with mixed tropical broad-leaved forest</p> <p>Illustrate the different types of mangroves</p> <p>Examine the importance of mangroves</p> <p>Summarize how invasive species are impacting forestry and vegetation</p> <p>Recommend sustainable strategies to protect Bahamian vegetation</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>Biology Curriculum Guide</p> <p>BGCSE Biology Syllabus</p> <p>Health Science Curriculum Guide</p> <p>BJC Health Science</p> <p>BJC Social Studies</p> <p>Social Studies Curriculum</p>	<p>3 days</p>

**Week 7**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Soils, Types (podzols, latosols, chernozems, rendzinas) Characteristics, formation, soil profile, soil erosion, conservation</b>	Define the word soil List the five basic components of soils Name and locate the different types of soils Describe the characteristics of each type and their formation Outline the soil profile Distinguish between podzols and chernozems soils Compare rendzinas and latosols soils Illustrate how soil erosion takes place Explain the effects of soil erosion Defend the need for soil conservation in The Caribbean	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, Field Trip to a Farm  <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days

**Week 8**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Bahamian Landscapes, soil types, vegetation, Bahamian forestry, indigenous plants, eg. Bush teas, processing of Cascarilla</b>	Identify features found in the Bahamian landscape Explain the importance of each feature to the landscape List the two main types of soils found in The Bahamas Illustrate why the two types of soils are important Name indigenous plants and trees found in The Bahamas Outline how indigenous plants are beneficial to humans Discuss the value of Cascarilla bark to the Bahamian economy Evaluate the challenges the Bahamian landscape is experiencing Justify why it is important to protect the Bahamian landscape	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, Field Trip to A Farm, <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days

Week 9				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Global Warming &amp; Acid Rain- Definition, Causes, Effects, Solutions, Effects on Seal Level Rise</b>	Explain the term 'climate change' Define the term ' acid rain' Point out factors that cause climate change Examine how small island states are impacted by climate change Suggest mitigation and resilience measures to assist with climate change Show and tell how Green House Effect takes place Examine how climate change impacts small island developing states Elaborate on the effects of sea level rising Name and locate islands in the Pacific and in the region that are experiencing sea level rising Suggest mitigation strategies to slow down the effects of climate change	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, source evaluation questions, video showing climate change, interpreting graph recording of seal level rising <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days
Week 10				
Topics:	Objectives	Assessments	Curriculum Link	Time Span
<b>Energy Resources &amp; Alternatives ( Renewable/Non Renewable- Alternatives For The Bahamas</b>	Define the word resources Identify different types of resources Compare natural and physical resources List various types of energy resources Name types of renewable energy Explain the characteristics and function of renewable energy Differentiate between renewable and non-renewable energy Demonstrate how energy is important to society Cite alternative energy solutions for The Bahamas and the Caribbean region Recommend sustainable strategies that help protect renewable energy in a country	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days
Week 11				
Topics:	Objectives	Assessments	Curriculum Link	Time Span
<b>Pollution- Types, Causes &amp; Effects, Control, Regulations</b>	Explain how pollution occurs Write out types of pollution Differentiate between environmental and man-made pollution Describe how pollution can affect mankind	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster	Biology Curriculum Guide BGCSE Biology Syllabus General Science Curriculum Guide	3 days

	<p>Explain how pollution is occurring in The Bahamas</p> <p>Justify how recycling can help to reduce pollution</p> <p>Suggest mitigation and resilience strategies to help reduce pollution</p> <p>Evaluate local and universal policies that help to reduce pollution in countries</p> <p>Recommend sustainable ways to prevent pollution</p> <p>Review the importance of protecting the environment</p>	<p>designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organize, semantic webbing, Visit to Bahamas Power &amp; Light</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>Physics Curriculum Guide</p> <p>BJC Social Studies</p> <p>BGCSE Combine Science Syllabus</p> <p>Sustainable Energy Curriculum Guide</p>	
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**Week 12**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Revision: Topics Term II</b>	<p>Weather elements, humidity, precipitation, visibility clouds, type cover, sunshine, weather systems fronts, hurricanes, impact on The Bahamas, world climate zones, types, equatorial, savanna, hot desert, tropical continental, tropical marine temperature, Bahamian climate and climate change, vegetation, major vegetation, types, forest, soils, types, characteristics, formation, profile, erosion, Bahamian landscapes, global warming, energy, non-energy, pollution, causes and effects</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>Biology Curriculum Guide</p> <p>BGCSE Biology Syllabus</p> <p>Health Science Curriculum Guide</p> <p>BJC Health Science</p> <p>BJC Social Studies</p> <p>Social Studies Curriculum</p>	3 days

## Geography

### Grade 12 Curriculum Pacing Guide Term I

#### 12 Weeks

#### Week 1

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Types of Economic Activities</b> <b>Industry, Types: Primary, Secondary, Tertiary</b> <b>Factors Influencing the location of industry</b>	Define the word industries List types of industries Point out main types of industries found in The Bahamas Differentiate between primary and secondary industries Compare and contrast tertiary and quaternary industries Examine factors that influence the location of industries Differentiate between inputs and feedback Examine types of linkages can negatively affect industries	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum	3 days

#### Week 2

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Farming</b> <b>Commercial Farming &amp; Animal Husbandry</b> <b>Agriculture Systems</b> <b>Hydroponics, Permaculture</b> <b>Sustainable Organic Farming</b> <b>Food Safety and Security</b>	Define the term agriculture List different types of agricultural practices Explain the types of agricultural systems, livestock, mixed, specialized farms Compare peasant and plantation farming Cite examples of modern agriculture Examine the importance of backyard farming Justify the importance of organic farming Evaluate the importance of sugar production in the Caribbean Assess the factor influencing the conditions of growth for wheat Point out factors that influence farming on the Prairies Describe how hydroponics takes place Differentiate between beef cattle rearing in the Caribbean to cattle ranching in The United States	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, Visit to A Farm, Field Trip to A Food Processing Plant  <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum Agriculture Curriculum Guide Family and Consumer Science Curriculum Guide	3 days

	Illustrate why food safety and security are important Hypothesize why permaculture sustainability is important to farming			
<b>Week 3</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Fishing</b> <b>Types of Fishing</b> <b>Aquaponics, Demersal &amp; Pelagic Fishing :</b> <b>Fishing Grounds in the Caribbean</b> <b>Fishing in The Bahamas</b> <b>Fishing and the Economy of The Bahamas</b> <b>Challenges Facing the Fishing Industry</b>	Define the term fishing List types of fishing methods used in The Bahamas Differentiate between commercial and subsistence fishing Name and locate major fishing grounds in The Bahamas List types of fish caught by fishermen in The Bahamas Distinguish between demersal fishing and pelagic fishing Describe aquaponics methods to aid with agricultural practices Defend why there is a closed season for grouper Outline the impact the fishing industry has on the Bahamian economy Examine invasive species that affect the fishing industry in The Bahamas Evaluate the threats to the fishing industry Suggest strategies to help minimize threats to the industry Recommend sustainable practices for the fishing industry	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, , Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum Agriculture Curriculum Guide Family and Consumer Science Curriculum Guide	3 days
<b>Week 4</b>				
<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Mining</b> <b>Types of Mining &amp; Goods</b> <b>Identifying Mining products in The Caribbean</b> <b>Mining: Aragonite</b> <b>Benefits of Mining industries to countries</b> <b>Challenges with Mining</b>	Define the word mining List examples of types of mining Identify various products that are found from mining Show and tell how mining occurs Point facts that influence the location of mining operations Evaluate the importance of bauxite mining in the Caribbean Distinguish between open, underground, drilling and place mining Describe how aragonite is mined in The Bahamas Summarize the importance of aragonite to The Bahamian economy Review how oil is mined Outline four main benefits of mining Examine four problems associated with the mining industry	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus BJC Health Science BJC Social Studies Social Studies Curriculum Agriculture Curriculum Guide Family and Consumer Science Curriculum Guide	3 days

Week 5				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Salt Industry Purpose</b> <b>Factors Influencing Salt Production</b> <b>Salt Processing in The Bahamas</b> <b>Challenges with the Salt Industry</b>	Using a map, locate salt industry in the Caribbean and Inagua List factors that assist with the production of salt Describe how salt is processed Illustrate the process of salt production Express how salt is important to diet and lifestyles of many persons Examine the challenges the salt industry face Suggest ways to improve the salt industry in The Bahamas	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Biology Curriculum Guide BGCSE Biology Syllabus Health Science Curriculum Guide BJC Health Science BJC Social Studies Social Studies Curriculum Agriculture Curriculum Guide Family and Consumer Science Curriculum Guide	3 days
Week 6				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Secondary Industries</b> <b>Types of Secondary Industries</b> <b>4 Types of Manufacturing Industry ( Traditional, Export, Import, Substitution, Off-Shore) Factors affecting location of manufacturing industries</b>	Explain the term secondary industries List various types of secondary industries Explain factors affecting the location of manufacturing industries Identify various types of manufactured goods Justify why manufactured products are considered part of secondary industries Examine why it is necessary to refine petroleum Name and locate oil refineries in the region Cite products that originate from the petrochemical industry Defend the importance of the garment industry Illustrate how the garment industry is considered part of the light industry Assess the importance of food processing industries Compare and contrast the iron and steel industry Elaborate on why manufactured industries are important Examine the advantages and disadvantages of manufacturing industries and industrialization to a country	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, mapping skills graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Agriculture Curriculum Guide Family and Consumer Science Curriculum Guide	3 days

**Week 7**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Tertiary Industries</b> <b>Reasons for Tourists Visiting a Country</b> <b>Tourism and Impact to Bahamian Economy</b> <b>Challenges Facing the Tourism Industry</b>	Define the term tertiary industries Tell the meaning of the word tourist Explain how tourism is a worldwide tertiary industry Categorize various types of tourists Suggest reasons why tourists visit The Bahamas and the Caribbean State places tourists live in when visiting a country Point out methods of transportation used by tourists Differentiate between the various types of tourists Evaluate the importance of eco-tourism. Cite various types of eco-tourist Assess critically the impact of tourism on the Bahamian economy Outline the challenges and disadvantages of the tourism industry Suggest ways to improve the tourism industry	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

**Week 8**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Tertiary Industries</b> <b>Banking Industry in The Bahamas: Types</b> <b>Banking Regulations and Competitiveness</b> <b>Gaming Industry in The Bahamas</b> <b>Crypto Currency</b>	Define the word money Express the importance of money Point out what crypto currency is Defend whether crypto currency is replacing money Discuss the function of a bank State various types of banks Outline associated characteristics of each bank Explain the following terms, bank deposit, bank assets, bank loan Illustrate how the gaming industry is impacting the banking industry Name various gaming houses in The Bahamas Explain what gambling rules apply in The Bahamas	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

Week 9				
Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Banking Industry &amp; Quaternary Industry</b>	List various banks in The Bahamas Locate various banks on Family Islands in The Bahamas Compare the role of a bank to an asue holder Summarize the importance of bank regulations Assess the challenges of the banking industry Argue whether the gaming industry is replacing the banking industry Explain what quaternary industry is Cite examples of types of work carried out in the quaternary industry Evaluate challenges that are occurring to the industry Recommend ways to improve the banking industry in The Bahamas	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days
Week 10				
Topics:	Objectives	Assessments	Curriculum Link	Time Span
<b>Methods of Transportation Types of Methods of Transportation: Road &amp; Rail Transportation &amp; The Bahamian Economy</b>	State the meaning of the word transport List and identify types of transportation Write out the different types of roads and rail transportation Describe the functions of road and rail transport Explain the advantages and disadvantages of rail and road modes of transportation Suggest ways to improve the road transportation in The Bahamas	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum BGCSE History Syllabus Physics Curriculum Guide Automotive Curriculum Guide	3 days

**Week 11**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Methods of Transportation</b> <b>Types of Methods of Transportation:</b> <b>Air</b> <b>Water Transportation &amp; The Bahamian Economy</b>	List and identify types of air and water transportation Identify Using a map, locate major sea and airports in The Bahamas Write out the different types of air transportation Compare the functions of air and water transport Explain the advantages and disadvantages of air transportation Differentiate between inland and ocean water transportation Discuss the importance of Mailboats to The Bahamas Categorize the advantages and disadvantages of water transportation Suggest ways to improve the air transportation in The Bahamas Justify the importance of transportation to a country	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, Take a tour on a plane, Mailboat, tour of the airport, virtual tour of and family island airport or seaport, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum BGCSE History Syllabus Automotive Curriculum Guide	3 days

**Week 12**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Assessment: Unit Quiz, Test, Research Paper, Project, Project Based Activity, Case Study</b>	Review Topics taught for the term such as industries, types of industries, factors influencing location of an industry, agriculture, types of farming, farming, types of fishing, importance of farming and fishing as industries, challenges to fishing and farming in The Bahamas	Case studies, group presentations, think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

# Geography

## Grade 12 Curriculum Pacing Guide Term II

### 12 Weeks

#### Week 1

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Trade types, blocs/agreements- CARICOM, CSME, EU</b>	Define the words “trade”, “battering”, “import” and “export” Summarize a brief history of trade around the world Explain the term ‘balance of trade’ Calculate balance of trade Differentiate between visible and invisible trade Compare and contrast domestic and foreign trade Discuss tariffs, quotas and trade blocs Identify trade blocs in The Bahamas Examine the role of Caricom as a trading bloc Argue whether CSME is beneficial to all countries in the region Summarize the role of the European Union as a trading bloc Evaluate the advantages and disadvantages of trade blocs	<u>Formative</u> Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

#### Week 2

Topics:	Objectives	Assessment	Curriculum Link	Time Span
<b>Population: Distribution, &amp; Density</b>	Define the word “population” State the six main characteristics of a population Explain how a population is distributed Calculated population density of an area Review how population is distributed in the Caribbean Examine factors that causes changes in population Differentiate between physical, social and economic characteristics of a population Assess factors that affect population distribution	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, mapping skills, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BGCSE History Syllabus	3 days

**Week 3**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Population : Calculating Density</b>	Define population density Compare sparsely to moderately densely populated areas Show how to calculate population density Argue whether population density is not a good indicator for development Distinguish between birth and death rates, natural increase and natural rate Calculate the birth, death, fertility, natural and rate of natural increase of a country's population	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, mapping skills, Venn diagrams, oral presentations, calculating birth rates, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus Commerce Curriculum Guide BGCSE Commerce Syllabus BGCSE History Syllabus Physics Curriculum Guide	3 days

**Week 4**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Population: Growth, Structure, Death and natural increase of a country, Demographic Transition Model, Over population &amp; Under population Bahamian Population</b>	Define population growth and net migration Discuss the Malthusian theory and the relationship with population growth Identify and label features on the demographic transition model Differentiate between over population and underpopulation Explain the importance of a population pyramid Construct and interpret the population pyramid Examine factors that contribute to population growth in The Bahamas Illustrate problems created by over population and under population Suggest mitigation strategies that can help control a country's population	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, mapping skills, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus Commerce Curriculum Guide BGCSE Commerce Syllabus BGCSE History Syllabus	3 days

**Week 5**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Migration-Types, Push &amp; Pull Factors, Effects of Legal &amp; Illegal Migration</b>	Define the words, migrant, emigrant, migration List causes of migration Describe different types of migration Differentiate between labour migration and forced migration Compare a legal immigrant to an illegal migrant Discuss challenges illegal immigrants face in The Bahamas Examine the advantages and disadvantages illegal immigrants can have on a country Recommend mitigation strategies to slow down the high influx of illegal immigrants	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

**Week 6**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Settlements: Types, Hierarchy &amp; Patterns</b>	Define the term settlement Differentiate between rural and urban settlements Examine the relationship between population growth and settlement development Identify and describe settlement stages List examples of settlement functions Categorize settlements into functions Identify and describe settlement stages List examples of settlement functions State ways settlements are grouped Hypothesize how a settlement site is chosen Demonstrate how a population size is ranked in a settlement Defend how a “sphere of influence’ impacts a settlement development Outline challenges urban settlements encounter Recommend ways to improve settlement development	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

**Week 7**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Urbanization: Terms, Land Use, Benefits, Challenges</b>	Define the term urbanization. Explain the term urban sprawls Examine push and pull factors of urbanization. Outline the benefits of urbanization Analyze problems associated with urban growth  Identify and label urban land use models Compare Burgess Concentric Zone to Hoyt Sector Model Examine causes of urban growth in New Providence Assess the challenges of urban growth in New Providence Suggest sustainable methods to minimize urban growth	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

**Week 8**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessment</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Development Inequalities: Measurements &amp; Global Inequalities</b>	Define the word inequality List factors that contribute to global inequalities Examine how a country's GDP can influence inequality Discuss how income is used to measure levels of inequalities Compare and contrast social and economic inequalities Recommend strategies to reduce global inequality	<u>Formative</u> Case studies, group presentations, Think pair share group activities, Structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, Venn diagrams, oral presentations, structured questions, source evaluation questions, graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing  <u>Summative</u> Case studies Projects Unit test Final Presentations	Economics Curriculum Guide BGCSE Economics Syllabus BJC Entrepreneurial Curriculum Commerce Curriculum Guide BGCSE Commerce Syllabus BJC Social Studies Social Studies Curriculum Family and Consumer Science Curriculum Guide BGCSE History Syllabus	3 days

**Week 9**

<b>Topics:</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Completion of Coursework: Reviewing Method of Data Collection, Presentation of Data, Analysis &amp; Interpretation of Data, Reviewing Hypothesis &amp; Discussing the Problem, Giving Recommendations</b>	<p>Discuss Coursework topic</p> <p>Examine observation methods to collect data</p> <p>Review how to develop a hypothesis</p> <p>Review methods of data collection, explain how data is collected and presented</p> <p>Analyze samples of data collected</p> <p>Create charts, graphs to represent the data</p> <p>Summarize how to present a discussion in the coursework</p> <p>Write out recommendations for the coursework topic</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, Think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions</p> <p>graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>BJC Social Studies Syllabus</p> <p>BGCSE History Syllabus</p>	<p>3 days</p>

**Week 10**

<b>Topics</b>	<b>Objectives</b>	<b>Assessments</b>	<b>Curriculum Link</b>	<b>Time Span</b>
<b>Completion of Coursework: Reviewing Method of Data Collection, Presentation of Data, Analysis &amp; Interpretation of Data, Reviewing Hypothesis &amp; Discussing the Problem, Giving Recommendations</b>	<p>Review coursework skills and strategies</p> <p>Create charts, data for coursework</p> <p>Critically analyze data</p> <p>Produce discussion notes for coursework</p> <p>Conclude coursework topic</p> <p>Review topics taught for the term</p>	<p><u>Formative</u></p> <p>Case studies, group presentations, think pair share group activities, structured questioning, word search, collage creations, video presentations, poster designs, diorama, Webbing, exit slips, illustrator, calculating density drawings, Venn diagrams, oral presentations, structured questions, source evaluation questions</p> <p>graphic organizers, semantic webbing, poetry writing, letter writing, jingle, rap, music writing</p> <p><u>Summative</u></p> <p>Case studies</p> <p>Projects</p> <p>Unit test</p> <p>Final Presentations</p>	<p>Economics Curriculum Guide</p> <p>BGCSE Economics Syllabus</p> <p>BJC Entrepreneurial Curriculum</p> <p>Commerce Curriculum Guide</p> <p>BGCSE Commerce Syllabus</p> <p>BJC Social Studies</p> <p>Social Studies Curriculum</p> <p>Family and Consumer</p> <p>Science Curriculum Guide</p> <p>BGCSE History Syllabus</p>	<p>3 days</p>

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## Resources for the Geography Pacing Guide

### Curriculum Map for High School Geography

[High School World History - Quarter 1 \(mpls.k12.mn.us\)](https://mpls.k12.mn.us)

Information can be Extracted and Cited to aid in further development of the pacing guide.

### Term 1 Topics

#### Introduction to Geography

[geography | Definition, Types, History, & Facts | Britannica](#)

#### Geography Coursework

##### Map, Globe, Aerial Photographs

- ❖ Google Maps - You can build tours, measure distances, look at directions and compare different kinds of maps
- ❖ Google Earth
- ❖ [Mapzone | Ordnance Survey](#)- The Ordnance Survey website is based in the UK, but it contains some brilliant kid-friendly activities that are sure to encourage students to learn more about geography. They also have relevance worldwide, not just to the UK. Students can practice map skills, play geography-related games, and use Geographic Information Systems (GIS) to learn more about their world. And it's all presented in a bright, friendly and colorful way.

##### Compass Directions and Bearings

[Directions and bearings | mygeoskills \(wordpress.com\)](#)

[eChalk: Drawing bearings](#)- An interactive application to teach students to accurately estimate and draw a bearing.

[Explore Cardinal Directions | National Geographic Society](#)- Students learn to identify cardinal directions using their own classroom, other locations in and near school, and maps and globes. Then they discuss differences in temperature due to location. **ACTIVITY**

##### Scales and Distances

[Measuring Distances on a Map | National Geographic Society](#) -Students use a map scale to measure distance between cities and other places on a map of your state. They create and exchange quizzes and use an interactive map to check their answers.

[latitude | National Geographic Society](#)-Latitude is the measurement of distance north or south of the Equator.

[longitude | National Geographic Society](#)-Encyclopedic entry. Longitude is the measurement east or west of the prime meridian.

[Coriolis Effect | National Geographic Society](#)- The Coriolis effect describes the pattern of deflection taken by objects not firmly connected to the ground as they travel long distances around the Earth.

[Goldilocks Principle | National Geographic Society](#)-In astrobiology, the Goldilocks Principle applies to the range of distances that a planet's orbit can be from its star and maintain temperatures on the surface that are just right for liquid water. This range is known as the Goldilocks Zone.

[altitude | National Geographic Society](#)- Altitude, like elevation, is the distance above sea level

##### Map Symbols and Interpretation

[Map | National Geographic Society](#)-A map is a symbolic representation of selected characteristics of a place, usually drawn on a flat surface

[Maps and Mapping | National Geographic Society](#)-

##### Revolution

## Structure of the Earth

[lithosphere | National Geographic Society](#)

[bedrock | National Geographic Society](#)

[cliff | National Geographic Society](#)

[butte | National Geographic Society](#)

[crust | National Geographic Society](#)

## Theories of Plate tectonics and Continental Drift

[Plate Tectonics | National Geographic Society](#)

[Plate Tectonics and the Ring of Fire | National Geographic Society](#)- The Ring of Fire is a string of volcanoes and sites of seismic activity, or earthquakes, around the edges of the Pacific

[Plate Boundaries | National Geographic Society](#)- Earth's tectonic plates fit together in a jigsaw puzzle of plate boundaries.

[continental drift | National Geographic Society](#)- Continental drift describes one of the earliest ways geologists thought continents moved over time. Today, the theory of continental drift has been replaced by the science of plate tectonics.

[Continental Drift versus Plate Tectonics | National Geographic Society](#)- Case Study

- A scientific idea that was initially ridiculed paved the way for the theory of plate tectonics, which explains how Earth's continents move.

[Continent | National Geographic Society](#)- A continent is one of Earth's seven main divisions of land. The continents are, from largest to smallest: Asia, Africa, North America, South America, Antarctica, Europe, and Australia.

## The Hydrological Water Cycle

[Water Cycle | National Geographic Society](#)- The water cycle is the endless process that connects all of the water on Earth.

## Ground Water

[Freshwater Resources | National Geographic Society](#)- This entry describes the unequal distribution of freshwater resources on Earth and how it impacts populations' access to water, their economic development, and global geopolitics.

[Groundwater and Surface Water | National Geographic Society](#)- Students use interactive computational models to explore the underground flow of water and how it affects surface bodies of water. They predict how the water table will be affected by the placement of wells around a gaining stream. Finally, they explore the reasons the river dried up in a case study of the Santa Cruz River in Arizona. – **ACTIVITY**

[Freshwater Access | National Geographic Society](#)- Access to fresh water is essential for life. A lack of freshwater access can be a cause of conflict between communities.

[Drought | National Geographic Society](#)- Below-average precipitation affects the amount of moisture in soil as well as the amount of water in streams, rivers, lakes, and groundwater.

[Protecting One of the World's Largest Sources of Freshwater | National Geographic Society](#)- The Great Lakes and the St. Lawrence River make up one of the largest surface freshwater ecosystems in the world. Government entities in Canada and the United States have forged an agreement to apply uniform laws throughout this water system to protect it and make it a sustainable resource.

[Water Tables and Aquifers | National Geographic Society](#)- The water table is a line beneath the surface of the Earth.

[Freshwater Ecosystem | National Geographic Society](#)- Freshwater is a precious resource on the Earth's surface. It is also home to many diverse fish, plant, and crustacean species. The habitats that freshwater ecosystems provide consist of lakes, rivers, ponds, wetlands, streams, and springs. Use these classroom resources to help students explore and learn about these places. (**COLLECTION OF RESOURCES**)

## Weathering

[Weathering | National Geographic Society](#)

[weathering | National Geographic Society](#)-Weathering describes the breaking down or dissolving of rocks and minerals on the surface of the Earth. Water, ice, acids, salts, plants, animals, and changes in temperature are all agents of weathering.

[Weather | National Geographic Society](#)-Explore weather and its impacts with this curated collection of classroom resources.

[Extreme Weather | National Geographic Society](#)-Students examine the causes and effects of extreme weather events and read to contrast weather and climate. Next, they create and revise models of an extreme weather event using knowledge of weather variables. Finally, students link extreme weather events and climate change. Students use an interactive graph and long-term datasets, as well as create their own graphical representations of weather data.

[Weather Interconnections | National Geographic Society](#)-Students view and discuss a video to create a concept map of interconnections in extreme weather. Next, they read encyclopedia entries to differentiate the terms *weather* and *climate*. Finally, students choose an extreme weather event on which to focus during the lesson and create an initial meteorological model of this event. – **ACTIVITY**

## **Features of Limestone Weathering**

### **The World Oceans**

[The World Ocean | National Geographic Society](#)

### **Surface Water**

[Surface Water | National Geographic Society](#)

[Groundwater and Surface Water | National Geographic Society](#)- Students use interactive computational models to explore the underground flow of water and how it affects surface bodies of water.

### **Waves**

[Introduction to Waves | National Geographic Society](#)- Students learn about waves by comparing and contrasting photographs and watching a hands-on demonstration.

### **The Coast**

[coast | National Geographic Society](#)

[The People of the Swahili Coast | National Geographic Society](#)- CASE STUDY

[Why Melting Glaciers Matter to the Coasts | National Geographic Society](#)- This video demonstrates how melting land ice raises sea level, but melting sea ice does not. See how warming in far-away places like Antarctica matters to people on coasts world-wide. Teachers can repeat this demonstration with inexpensive materials.

### **Coral Reefs**

[coral reefs | National Geographic Society](#)- Collection of resources on Coral Reefs

[Coral Reefs | National Geographic Society](#)- CASE STUDY

[Window to Save World's Coral Reefs Closing Rapidly \(nationalgeographic.com\)](#)- CASE STUDY

[Coral Reef Succession | National Geographic Society](#)- ACTIVITY

[Coral Reef Fish Survey Simulation | National Geographic Society](#)- ACTIVITY

[Coral Reef Food Web | National Geographic Society](#)

[Coral Reefs: Ecosystems Full of Life | National Geographic Society](#)- Students learn about reef ecology with a focus on biodiversity and symbiotic relationships in the coral reef ecosystem. They play a matching game to identify reef organisms and roles and they discuss human threats to coral reef health.

[NOAA Coral Reef Watch Homepage and Near Real-Time Products Portal](#)

### **Weather and Climate**

[Weather or Climate ... What's the Difference? | National Geographic Society](#)-

[Weather | National Geographic Society](#)- Explore weather and its impacts with this curated collection of classroom resources.

[Climate | National Geographic Society](#) - Explore the world's climates and how they affect local regions and the planet with this curated collection of resources.

[Weather, Meet Climate | National Geographic Society](#)- ACTIVITY

Students gather and graph a second day of weather station data. They then clarify the distinctions and connections between weather and climate by viewing and discussing an interactive graph of billion-dollar weather events. Finally, they read to address hypotheses regarding the future frequency of extreme weather events in light of global warming.

[Understanding Droughts | National Geographic Society](#)- 25 Images, 1 Video, 1 PDF

[Extreme Weather on Earth | National Geographic Society](#)- 8 Images, 1 Video, 1 PDF

Students use prior knowledge, a photo gallery, and a video to discuss what they already know about extreme weather on Earth and brainstorm and categorize a list of weather-related words and phrases. Then they identify the necessary conditions for weather events to occur, and the factors that affect extreme weather. Students organize information about weather events and conditions, identify patterns, and make connections between weather and climate.

## **Weather Systems**

### **Cold Fronts**

#### **Climate**

[Earth's Changing Climate | National Geographic Society](#)-CASE STUDY

[The Greenhouse Effect and our Planet | National Geographic Society](#)-CASE STUDY

[NOAA Climate.gov | science & information for a climate-smart nation](#)- **Global Climate Dashboard**

[Climate | National Geographic Society](#)- Explore the world's climates and how they affect local regions and the planet with this curated collection of resources.

[Climate Change | National Geographic Society](#)- **ENCYCLOPEDIA ENTRY**

[Regional Climate | National Geographic Society](#)- Learn more about regional climates with this curated resource collection.

[Constructing an Argument: Climate | National Geographic Society](#)

[All About Climate | National Geographic Society](#)-

### **Types of Economic Activities**

#### **Farming**

[Top Crop: Farming for the Future Educator's Guide | National Geographic Society](#)-Use this educator guide to engage students in Grades 6-9 with Top Crop: Farming for the Future game in a variety of settings, both in and out of the classroom.

[The Development of Agriculture | National Geographic Society](#)-The development of agriculture about 12,000 years ago changed the way humans lived. They switched from nomadic hunter-gatherer lifestyles to permanent settlements and farming.

[Where Farming Began | National Geographic Society](#)-Explore the origins of farming and domestication in the Fertile Crescent.

[Animal Farm | National Geographic Society](#) – CASE STUDY

Costa Rica's Hacienda Baru transformed from a cattle ranch into a popular ecotourism destination.

[Top Crop | National Geographic Society](#)- ACTIVITY

[Roots of Sustainability | National Geographic Society](#)- An article on the popularity on eating locally grown foods.

[Agriculture | National Geographic Society](#)-Agriculture is the art and science of cultivating the soil, growing crops and raising livestock.

#### **Fishing**

<https://www.nationalgeographic.org/lesson/world-ocean/>

#### **Fishing in the Bahamas**

## **Mining**

[Mines | National Geographic Society](#)- A gallery of satellite images showing mines around the globe.

[Mining | National Geographic Society](#)- Mining extracts useful materials from the earth. Although mining provides many valuable minerals, it can also harm people and the environment.

[Managing Resources | National Geographic Society](#)- Learn more about how individuals and communities can manage their resources to support themselves and the world around them.

[Mining the World's Most Used Minerals | National Geographic Society](#)- Students will analyze the quantities and origins of basic mineral resources.

[Coal | National Geographic Society](#)- Coal is a nonrenewable fossil fuel that is combusted and used to generate electricity. Mining techniques and combustion are both dangerous to miners and hazardous to the environment; however, coal accounts for about half of the electricity generation in the United States.

[High-stakes Mine | National Geographic Society](#)- Human modifications to the environment often endanger the species that call those environments home; such is the case with the Pebble mine and the millions of fish that live in the Bristol Bay watershed in southwestern Alaska.

## **Methods of Transportation**

[19th Century Transportation Movement | National Geographic Society](#)-Background knowledge and History of Transportation

[Location, Location: Coastal Living | National Geographic Society](#)- Students prepare a news report that highlights problems facing coastal communities and how climate change might affect coastal populations.- **ACTIVITY**

[Rivers of the Americas | National Geographic Society](#)- Students explore the relationships between rivers and early settlements in the United States. They select a major river of the Americas, research it, and write a story from the river's point of view. - **ACTIVITY**

[Transportation Engineer: Stephanie Berman | National Geographic Society](#)- Transportation engineer Stephanie Berman works on roadway projects in Connecticut.

## **TERM 2 TOPICS**

### **Plate margins**

[Plate margins and collision zones - Plate margins and plate tectonics - OCR - GCSE Geography Revision - OCR - BBC Bitesize](#)

[The Geological Society \(geolsoc.org.uk\)](#)

[EG - Vocab - Plate margins \(ucsd.edu\)](#)

[Plate Margins \(coolgeography.co.uk\)](#)

### **Rocks**

[Rocks: Pictures of Igneous, Metamorphic and Sedimentary Rocks \(geology.com\)](#)

[rock | Definition, Characteristics, Formation, Cycle, Classification, Types, & Facts | Britannica](#)

[Metamorphic Rock Types: Pictures and Descriptions \(thoughtco.com\)](#)

[Igneous Rocks | National Geographic Society](#)- **ENCYCLOPEDIA ENTRY**

### **Folding**

[Fold Mountain | National Geographic Society](#)- **ENCYCLOPEDIA ENTRY**

[fold | Definition, Types, & Facts | Britannica](#)

[12.2 Folding – Physical Geology \(opentextbc.ca\)](#)

<https://opentextbc.ca/geology/chapter/12-2-folding/>

[What are Geological Folds? Causes and Types of Geological Folds | Earth Eclipse](#)

### **Faulting**

<https://www.files.ethz.ch/structuralgeology/JPB/files/English/3faults.pdf>

[Fault: Definition and Examples in Geography \(thoughtco.com\)](#)

[Faults: Meaning, Causes and Effects | Rocks | Geology \(geographynotes.com\)](#)

[Faulting | Form 2 Geography | Secondary School - EsomaKe](#)

[What are Geological Faults? Causes and Types of Geological Faults | Earth Eclipse](#)

### **Earthquakes**

[earthquake | Definition, Causes, Effects, & Facts | Britannica](#)

[Earthquake | National Geographic Society](#)- COLLECTION OF RESOURCES

[earthquakes \(geography.name\)](#)

[Case Study: Nepal Earthquake | WorldAware](#)-CASE STUDY

[Haiti Earthquake Case Study \(kenyoninternational.com\)](#)- CASE STUDY

### **Vulcanicity**

[VULCANICITY AND VOLCANICITY \(geographypoint.com\)](#)

[Vulcanicity | Geography \(wordpress.com\)](#)

[What are Volcanoes, Vulcanicity and its Landforms? \(examveda.com\)](#)

### **Volcanoes**

[Volcanoes | National Geographic Society](#) - ENCYCLOPEDIC ENTRY

[Volcanoes | National Geographic Society](#)- Background Info

<https://youtu.be/VNGUdObDoLk> - Volcanoes 101 | National Geographic- VIDEO

[What Is a Volcano? | NASA Space Place – NASA Science for Kids](#)

### **Vegetation**

[vegetation geography](#)

[vegetation region | National Geographic Society](#)- ENCYCLOPEDIC ENTRY

[Analyzing the Distribution of Vegetation Zones and Mountain Gorillas in Virunga National Park | National Geographic Society](#)- ACTIVITY

[Rainforest vegetation levels - Tropical rainforests - GCSE Geography Revision - BBC Bitesize](#)  
<https://youtu.be/ZRjkd4eiyc>- NATURAL VEGETATION | ICSE Class 10 Geography- **VIDEO**  
[Tundra Biome: Location, Climate and Vegetation | Geography \(geographynotes.com\)](#)- **ARTICLE**

### **Global Warming**

[Global Warming | National Geographic Society](#)- **ENCYCLOPEDIA ENTRY**  
[global warming | National Geographic Society](#)- **COLLECTION OF RESOURCES**  
[Tornadoes and Global Warming: Is There a Connection? | National Geographic Society](#)- **ARTICLE**  
<https://youtu.be/IHFd5kLAWNY> - Global Warming 101 | National Geographic  
[Causes of global warming, facts and information \(nationalgeographic.com\)](#)- Causes Of Global Warming, Explained

### **Soils**

[What is soil? \(carleton.edu\)](#)- What is soil?  
[Soil Formation and Geography: \(carleton.edu\)](#)- **ACTIVITY INCLUDED**  
[Soils Support Plant Growth and Food Production \(carleton.edu\)](#)-  
[Soil Properties and Human Responses to Boost Food Production \(carleton.edu\)](#)- Soil Properties and Human Responses to Boost Food Production  
[Soil structure, formation and type | S-cool, the revision website \(s-cool.co.uk\)](#)  
[Soil Composition | National Geographic Society](#)  
[soil | National Geographic Society](#)- **COLLECTION OF RESOURCES**  
[Soil Quality | National Geographic Society](#)- Students explore the conditions that make high-quality soils. Using data from field research and interactive computational models, they determine which farming practices best preserve and increase soil quality. **ACTIVITY**

### **Natural Resources**

[What Are Natural Resources? - WorldAtlas](#)  
[natural resource - Kids | Britannica Kids | Homework Help](#)  
[Natural Resources Geography | Article about Natural Resources Geography by The Free Dictionary](#)  
[Classification of Natural Resources | Resources Engineering |Geology \(geographynotes.com\)](#)  
[Geography and Natural Resources - Hearts Philippines & Then Some \(jimdofree.com\)](#)- THE PHILLIPINES

### **Pollution**

[pollution | Definition, History, Types, & Facts | Britannica](#)  
[Pollution | Threats | WWF \(worldwildlife.org\)](#)  
[Pollution Facts & Types of Pollution | Live Science](#)  
[Various Types and Effects of Pollution - Conserve Energy Future \(conserve-energy-future.com\)](#)

### **Map Interpretation**

[\(PDF\) MAP READING & INTERPRETATION | Omary mohamed Ndondo - Academia.edu](#)

[MAP READING AND MAP INTERPRETATION | Military Geology and Topography: A Presentation of Certain Phases of Geology, Geography and Topography for Military Purposes | The National Academies Press \(nap.edu\)](#)

[Map interpretation : Basic Principles of Map Reading \(brinkart.com\)](#)

[GEOGRAPHY: FORM THREE: Topic 5 - MAP READING AND INTERPRETATION - MSOMI BORA](#)

### **Map Sketching**

[Quiz & Worksheet - Geographic Map Sketching | Study.com](#) – **QUIZ AND WORKSHEET**

[Royal Geographical Society - Geography resources for teachers \(rgs.org\)](#)- **EXPERIMENT**

[SketchUp for Schools Lesson Plan: 3D Maps in Geography Class - Google Slides](#)- SketchUp for Schools Lesson Plan: 3D Maps in Geography Class

[Map - How to Create a Map, See Examples, Read Tutorial \(smartdraw.com\)](#)

### **Analyzing and Interpreting Graphs**

<http://explainwell.org/index.php/table-of-contents-handle-numbers/phrases-and-6-analysis-steps-to-interpret-a-graph/>

[Interpreting graphs of functions \(practice\) | Khan Academy](#)

[Analyzing and Interpreting Tables, Graphs and Charts by Audrey Kyle Vallejos \(prezi.com\)](#)- **COLLECTION OF PRESENTATION**

[Interpreting Charts, Graphs & Tables - Video & Lesson Transcript | Study.com](#)

### **Analyzing Data**

[Analyzing Geographic Information | National Geographic Society](#)

[Data analysis - FSC Geography Fieldwork \(geography-fieldwork.org\)](#)

[What is GIS? | Geographic Information System Mapping Technology \(esri.com\)](#)

[Analysing and interpreting the evidence - Collecting and analysing geographical data - GCSE Geography Revision - BBC Bitesize](#)

