

	Brief Description	Equipment Includes	Centres		Curriculum Information - Cambridge
			PGL Little Canada	PGL Osmington Bay	
Human Geography					
Retail Settlements Today	Students investigate the function and layout of a retail settlement using various geographical techniques. They also investigate the location of services in relation to each other. The history of the area is discussed to demonstrate the changing function of the town over time.	Activity sheets, digital cameras, questionnaires, land use maps			Cambridge IGCSE Geography 0460 (2017 specification): 5.5 Theme 1: Population and settlement 1.5 Settlements and service provisions.
Rural Settlements	Students investigate the changing function of a village over time and the issues associated with rural settlements. Geographical techniques are used to formulate an image of how an area has changed over time. Evidence of the impact of other settlements and the rural employment levels and type are discussed.	Activity sheets, digital cameras, land use maps			Cambridge IGCSE Geography 0460 (2017 specification): 5.5 Theme 1: Population and settlement 1.5 Settlements and service provisions.
Tourism Investigation	Using different methods of data collection, students explore a tourist resort and consider the factors involved in its development, such as the effects of recreational pressure on local employment, conflicting land use, the physical environment and traffic congestion.	Activity sheets, digital cameras, questionnaires, land use maps	✗		Cambridge IGCSE Geography 0460 (2017 specification): 5.7 Theme 3: Economic development. 3.4 Tourism. 6.1 Paper 1: Geographical Themes. 6.3 Paper 3: Coursework.
Urban Settlements	By producing land use classification maps of town centres, students are able to recognise patterns in retail settlements and settlement function. Development of towns over time are demonstrated through a range of data-collection techniques.	Activity sheets, digital cameras, questionnaires, land use maps			Cambridge IGCSE Geography 0460 (2017 specification): 5.5 Theme 1: Population and settlement 1.6 Urban settlements. 6.1 Paper 1: Geographical Themes. 6.3 Paper 3: Coursework.

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Physical Geography					
Coastal Management	Coastal erosion and the conflicts which arise as a result of it are examined along with the options available to manage it. Different types of coastal defences and management systems are investigated and students discuss future coastal management strategies.	Activity sheets, digital camera			Cambridge IGCSE Geography 0460 (2016 specification): 5.6 Theme 2: The natural environment. 2.3 Coasts. 6.1 Paper 1: Geographical Themes. 6.3 Paper 3: Coursework.
Coastal Processes and Features	With reference to nearby examples, students discuss the formation of coastal features and how they have evolved. Features include stumps, stacks, caves and wave-cut platforms. A beach profile can be constructed if required.	Activity sheets, digital camera, Pocket PC, profiling kit			Cambridge IGCSE Geography 0460 (2017 specification): 5.6 Theme 2: The natural environment. 2.3 Coasts. 6.1 Paper 1: Geographical Themes. 6.3 Paper 3: Coursework.
Rivers and Fluvial Systems	The form and functions of rivers are studied in this river investigation, including meanders, floodplains and smaller formations such as point bars and river cliffs. A number of measurements such as width, depth, velocity and sediment size can be collected at a variety of sample sites.	Activity sheets, Pocket PC, digital camera, clinometer, channel profile kit, flow meters, callipers, sediment roundness chart, ranging poles			Cambridge IGCSE Geography 0460 (2017 specification): 5.6 Theme 2: The natural environment. 2.2 Rivers. 6.1 Paper 1: Geographical Themes. 6.3 Paper 3: Coursework.
Geology					
Geology, Rocks and Fossils	Students examine various rocks formed by different environmental conditions, hunt for fossils and learn about the tectonic events that have shaped the land.	Activity sheets, sample fossils, fossil and rock guides, digital camera			Cambridge IGCSE Geography 0460 (2017) Theme 2: The Natural Environment. 2.3: Coasts Theme.
People, Rocks and Landscapes	Visiting a number of igneous rock localities, students will see how geology as a natural resource can have a massive impact on the environment and character of an area. Geological features can generate income but can also produce areas of natural beauty and scientific importance, thereby introducing conflict over a variety of issues.	Activity sheets, rock guides, digital camera			Cambridge IGCSE Geography 0460 (2017) Theme 2: The Natural Environment. 2.3: Coasts Theme 3: Economic Development. 3.4. Tourism. 3.7: Environmental risks of economic development.

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Biology					
Comparative Ecological Investigation	Undertaking a comparative investigation of different habitats, students examine how plant communities are affected by biotic and abiotic factors. Students also identify plants and their adaptations.	Activity sheets, digital camera, infiltration kit, soil thermometer, moisture meter, pH kit, profiling kit, plant ID guides, pocket ID books, anemometer			Cambridge IGCSE Environmental Management (2011 Specification): Biosphere: 20.1, 20.2, 20.3, 20.4, 20.5, 20.6. Cambridge IGCSE Biology (2015 Specification): I (Characteristics and classification of living things): 2.1/ 3. IV (Relationships of organisms with one another and with their environment): 1/2/3/4/5/5.3.
Marine Zonation	At a chosen local beach students explore marine life. Starting in the splash zone and working through the upper and lower intertidal zones, students are encouraged to study and collect as many organisms as possible and also discuss their adaptations and the stress factors affecting these numbers, zone by zone.	Activity sheets, digital camera, Pocket PC, profiling equipment, quadrats, Identification sheets and books, trays, bug pots			Cambridge IGCSE Environmental Management (2011 Specification): Biosphere: 20.1, 20.2, 20.3, 20.4, 20.5, 20.6. Cambridge IGCSE Biology (2015 Specification): I (Characteristics and classification of living organisms): 1/2.1/2.2/3 IV (Relationships of organisms with one another and with their environment): 1/2/4/5.2/5.3.
Stream Ecology	Changes in the course of a river, from source to mouth, are investigated with a focus on the change in communities of invertebrates. Pollution, land use and management are examined as factors for change.	Activity sheets, Pocket PC, digital camera, flow meters, sediment roundness chart, pH meters, sweep nets, tray, bug pots, identification books and sheets		✗	Cambridge Geography IGCSE (2011 Specification): Theme 2: The natural environment: 2.2 Landforms and landscape processes, 2.4 Inter-relationships between the natural environment and human activities. Theme 3: Economic development and the use of resources: 3.5 Environmental risks and benefits: resource conservation and management. Cambridge Environmental Management IGCSE (2011 Specification): Hydrosphere: 6.1, 6.3, 10.1, 12.1. Cambridge IGCSE Biology (2015 Specification): IV (Relationships of organisms with one another and with their environment): 2/4/5.1/5.2/5.3.
Woodland Ecology	Students make comparative studies of coniferous and deciduous or mixed woodland. The role of woodland in the nitrogen and carbon cycles is discussed along with expected changes in diversity within physical parameters.	Activity sheets, digital camera, Pocket PC, infiltration kit, pH kit, soil auger, soil thermometer, moisture meter, profiling kit, quadrats, plant ID guides, pocket ID books, anemometer	✗		Cambridge IGCSE Environmental Management (2011 Specification): Biosphere: 20.1, 20.2, 20.3, 20.4, 20.5, 20.6, 25.1, 25.2, 25.3. Cambridge IGCSE Biology (2015 Specification): I (Characteristics and classification of living organisms): 2.1/3 IV (Relationships of organisms with one another and with their environment): 1/2/3/4/5.3.



Curriculum Links

GCSE Field Studies

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Environmental Science					
Freshwater Pollution	Biotic and abiotic factors are used in analysing pollution levels in a freshwater system. Students focus on changes in invertebrate communities across multiple sites and examine the reasons for the changes, including land use and management.	Activity sheets, digital camera, Pocket PC, bug pots, pipette, flexible net, identification guides and sheets, BMWP index, pH test kits, nitrate test kits			Cambridge Geography IGCSE (2011 Specification): Theme 2: The natural environment: 2.2 Landforms and landscape processes, 2.4 Inter-relationships between the natural environment and human activities. Theme 3: Economic development and the use of resources: 3.5 Environmental risks and benefits: resource conservation and management. Cambridge Environmental Management IGCSE (2011 Specification): Hydrosphere: 6.1, 6.3, 10.1, 12.1. Cambridge IGCSE Biology (2015 Specification): IV (Relationships of organisms with one another and with their environment): 2/4/5.1/5.2/5.3.