



14 to 16	Study Modules	Brief Description	Equipment Includes:	Centre	Edexcel GCSE Specification Units Covered
Biology	Comparative Ecological Investigation	Undertaking a comparative investigation of different habitats, pupils examine how plant communities are affected by biotic and abiotic factors. Pupils 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.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10.
	Ecosystems	Students examine how the relationships between vegetation, climate, topography and landscape create different habitats. They study a range of habitats, the differences between them and the interconnections of biotic and abiotic factors that make each one unique. Discussions include the impacts of land uses including farming, tourism and deer stalking.	Activity sheets, digital camera, Pocket PC, infiltration kit, soil thermometer, moisture meter, profiling kit, plant ID guides, Pocket ID books, anemometer.	Loch Ranza	<b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.17. <b>Edexcel IGCSE Geography:</b> Section B — People and their environments: Topic 5 — Ecosystems and rural environments. Section C — Global issues: Topic 8 — Globalisation and migration. <b>Edexcel GCSE Geography A:</b> Unit 3 The Human Environment: Section A The Human World: Topic 2 Farming and the Countryside: 2.1, 2.2. Unit 3 The Human Environment: Section B People Issues: 6.1, 6.2, 6.3. <b>Edexcel GCSE Geography B:</b> Unit 2 People and the Planet: Section B Small-scale People and the Planet: Topic 6 Changing Countryside: 6.1, 6.2.
	Farming and Biodiversity	This unit addresses man's influence in terms of historical change, sustainability and biodiversity. Farming methods are reviewed in the context of nutrient cycling, the water cycle, species diversity and geology.	Activity sheets, digital cameras, soil auger.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography A:</b> Unit 1 Section A Geographical Skills: Topic 1 Basic Skills, Topic 3 Graphical Skills, Topic 5 ICT Skills. Unit 3 The Human Environment, Section A The Human World, Topic 2 Farming and the Countryside: 2.1 Changes to the countryside a, b, c and d.
	Lithosomal and Haloserual Succession	By performing accurate and detailed line transects students can observe the changes in succession in relation to biotic and abiotic factors. They also begin to appreciate the importance of conservation and management of fragile ecosystems.	Activity sheets, digital cameras, Pocket PC, thermometer, profiling kit moisture meter, pH kit, quadrat, infiltration kit, plant ID sheets, identification books.	Osmington Bay only	<b>Edexcel GCSE Geography B Specification:</b> Unit 1 Dynamic Planet, Section A Introduction to the Dynamic Planet, Topic 3 Battle for the Biosphere: 3.2 a and b. Unit 4 Researching Geography. <b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11.
	Marine Zonation	At a chosen local beach pupils explore marine life. Starting in the splash zone and working through the upper and lower intertidal zones, pupils 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.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.15.
	Psammoserual Succession	A transect of a sand dune system reveals trends in biotic and abiotic factors. Pupils can also investigate the human pressures on a delicate system and observe measures put in place to alleviate this human impact.	Activity sheets, digital camera, Pocket PC, infiltration kit, pH kit, soil thermometer, moisture meter, profiling kit, quadrat, plant ID guides, Pocket ID books, anemometer.	Barton Hall and Osmington Bay	<b>Edexcel GCSE Geography B Specification:</b> Unit 1 Dynamic Planet, Section A Introduction to the Dynamic Planet, Topic 3 Battle for the Biosphere: 3.2 a and b. Unit 4 Researching Geography. <b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11.
	Stream Ecology	Pupils investigate how a river changes along its course from source to mouth by focussing on the change in invertebrate communities. The reasons for changes along the river are examined fully, including pollution levels, land use and management.	Activity sheets, Pocket PC, digital camera, flow meters, sediment roundness chart, pH meters, sweep nets, tray, bug pots, identification books and sheets.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.13. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.15, 4.16.
Woodland Ecology	A comparative investigation of coniferous and deciduous or mixed woodland is undertaken. Expected changes in diversity within physical parameters are discussed, along with the role of woodland in the nitrogen and carbon cycles.	Activity sheets, digital camera, Pocket PC, infiltration kit, pH kit, soil auger, soil thermometer, moisture meter, profiling kit, 2 quadrats, plant ID guides, Pocket ID books, anemometer.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.17. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.17.	
Environmental Science	Energy Resources	The important role of renewable energy in future energy provision is highlighted and students discuss the advantages and disadvantages of alternative energy resources. A practical fieldwork investigation uses techniques of environmental impact assessment to find the best location for siting a wind farm.	Activity sheets, digital camera, digital anemometer, light meters, hygrometers, weather stations.	Loch Ranza	<b>Edexcel IGCSE Double Award Science:</b> Section 4: Energy resources and energy transfer: 4.16. <b>Edexcel IGCSE Geography:</b> Section B — People and their environments: Topic 4 — Economic activity and energy, Section C — Global issues: Topic 7 — Fragile environments. <b>Edexcel GCSE Geography A:</b> Unit 1 Geographical Skills and Challenges: Section B Challenges for the Planet: 7.1, Unit 2 The Natural Environment: Section B Environmental Issues: Topic 5 A Wasteful World: 5.3, 5.4. <b>Edexcel Geography B:</b> Unit 2 People and the Planet: Topic 2 Consuming Resources: 2.1, 2.2.
	Freshwater Pollution	Pupils investigate pollution levels in a freshwater system, using both biotic and abiotic factors. Moving between sample sites, they will focus primarily on the change in invertebrate communities. The reasons for changes between the sample sites are examined fully, including pollution levels and 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.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography B Specification:</b> Unit 1 Dynamic Planet, Section A Introduction to the Dynamic Planet, Topic 4 Water World, 4.1 a and b, 4.2 a and b. <b>Edexcel IGCSE in Science (Double Award):</b> Section 4 Ecology and the environment: 4.1, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.13. <b>Edexcel IGCSE in Biology:</b> Section 4 Ecology and the environment: 4.1, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.15, 4.16.
Geology	Geology and Landscapes	Visiting a number of sedimentary rock localities pupils will discover 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, compass clinometer, metre ruler, digital camera.	Osmington Bay, Little Canada	<b>Edexcel GCSE Geography A:</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills, Topic 5 ICT skills. Unit 2 Section A The Physical World: Topic 1 Coastal Landscapes 1.1, 1.2, 1.3. <b>Edexcel GCSE Geography B Specification:</b> Unit 1 Dynamic Planet: Section B Small-scale Dynamic Planet: Topic 5 Coastal Change and Conflict: 5.1, 5.2. Unit 4 Investigating Geography.
	Coastal Management	Pupils examine the conflicts that arise from coastal erosion and the options for coastal management. They investigate different types of coastal defences and management systems and discuss how the coastal area should be managed in the future.	Activity sheets, digital camera.	Barton Hall, Little Canada, Osmington Bay.	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills Topic 5 ICT skills. Unit 2 Section A The Physical World: Topic 1 Coastal Landscapes: 1.1, 1.2, 1.3. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 1 Dynamic Planet: Section B Small-scale Dynamic Planet: Topic 5 Coastal Change and Conflict: 5.1, 5.2. Unit 4 Researching Geography. <b>Edexcel IGCSE Geography:</b> (2011 Specification): Section A — The natural environment and people, Topic 2 — Coastal environments.
	Coastal Processes, Features and Management	Coastal erosion and deposition are studied as part of a coastal walk. The influence of rock types on the coastal environment and the formation of simple igneous features can be observed. An area of sand dunes backed by a golf course provides a case study of human impact on the coastal environment and the successes and failures of management techniques.	Activity sheets, digital camera, profiling kit.	Loch Ranza	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills Topic 5 ICT skills. Unit 2 Section A The Physical World: Topic 1 Coastal Landscapes: 1.1, 1.2, 1.3. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 1 Dynamic Planet: Section B Small-scale Dynamic Planet: Topic 5 Coastal Change and Conflict: 5.1, 5.2. Unit 4 Researching Geography. <b>Edexcel IGCSE (2011 Specification):</b> Section A — The natural environment and people: Topic 2 — Coastal environments.
	Farming and Biodiversity	This unit addresses man's influence in terms of historical change, sustainability and biodiversity. Farming methods are reviewed in the context of nutrient cycling, the water cycle, species diversity and geology.	Activity sheets, digital cameras, soil auger.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography A:</b> Unit 1 Section A Geographical Skills: Topic 1 Basic Skills, Topic 3 Graphical Skills, Topic 5 ICT Skills. Unit 3 The human Environment, Section A The Human World, Topic 2 Farming and the Countryside: 2.1 Changes to the countryside a, b, c and d.
	Human Impact and Conservation	Pupils are asked to redevelop a local brown-field site or area through the eyes of characters with differing views. Pupils organise and present their ideas as they are today. A cost/benefit discussion or role-play form.	Activity sheets, Digital Camera	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel IGCSE (2009 Specification):</b> Section B — People and their environments: Topic 6 — Urban environments. <b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills, Topic 5 ICT skills. Unit 3 The Human Environment: Section A The Human World: Topic 3 Settlement Change: 3.1, 3.2. Unit 4 Investigating Geography. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 1 Dynamic Planet: Section A Introduction to the Dynamic Planet: Topic 3 Battle for the Biosphere: 3.2. Section B Small-scale People and the Planet: Topic 6 Changing Countryside: 6.1, 6.2. Unit 4 Researching Geography
	Population and Settlement in a Rural Area	This option focuses on the impact of changing population on a rural area and the positive and negative impact of tourism. Students take the role of consultants for a developer who wishes to build a visitor attraction. Gathering information they build up a picture of villages as they are today. A cost/benefit analysis exercise will allow them to select the best site.	Activity sheets, digital cameras, questionnaires, land use maps.	Loch Ranza	<b>Edexcel IGCSE Geography:</b> Section B — People and their environments: Topic 5 — Ecosystems and rural environments. Section C — Global issues: Topic 8 — Globalisation and migration. <b>Edexcel GCSE Geography A:</b> Unit 3 The Human Environment: Section A The Human World: Topic 2 Farming and the Countryside: 2.1, 2.2; Topic 3 Settlement Change: 3.1. Unit 3 The Human Environment: Section B People Issues: 6.1, 6.2, 6.3. <b>Edexcel GCSE Geography B:</b> Unit 2 People and the Planet: Section B Small-scale People and the Planet: Topic 6 Changing Countryside: 6.1, 6.2.

Human Geography	Retail Settlements Today	Pupils investigate the function and layout of a retail settlement, using various geographical techniques. Pupils investigate the location of services in relation to each other. The history of the area is investigated and discussed to demonstrate the changing function of the town over time.	Activity sheets, digital cameras, questionnaires, land use maps	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills; Topic 5 ICT skills; Unit 3 The Human Environment: Section A The Human World; Topic 3 Settlement Change: 3.1, 3.2. Unit 4 Investigating Geography. <b>Edexcel GCSE Geography B (2009 Specification):</b> Section A Introduction to People and the Planet: Topic 3 Living Spaces: 3.1, 3.2. Section B Small-scale People and the Planet: Topic 5 Changing Cities: 5.1, 5.2. Unit 4 Researching Geography. <b>Edexcel IGCSE (2011 Specification):</b> Section B — People and their environments: Topic 6 — Urban environments.
	Rural Settlements	Pupils 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.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills; Topic 5 ICT skills; Unit 3 The Human Environment: Section A The Human World; Topic 2 Farming and the Countryside: 2.1; Topic 3 Settlement Change: 3.1. Unit 4 Investigating Geography. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 2 People and the Planet: Section A Introduction to People and the Planet: Topic 3 Living Spaces: 3.1, 3.2; Section B Small-scale People and the Planet: Topic 6 Changing Countryside: 6.1, 6.2. Unit 4 Researching Geography. <b>Edexcel IGCSE (2011 Specification):</b> Section B — People and their environments: Topic 5 — Ecosystems and rural environments
	Tourism Investigation	Pupils examine the reasons for the historical development of a tourist resort, using a variety of data collection techniques. Effects of recreational pressure on local employment, land use conflicts, the physical environment and traffic congestion are considered.	Activity sheets, digital cameras, questionnaires, land use maps.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography A: (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills, Topic 5 ICT skills; Unit 3 The Human Environment: Section B People Issues: Topic 6 A Tourist's World: 6.1, 6.2, 6.3. Unit 4 Investigating Geography. <b>Edexcel GCSE Geography B Specification:</b> Unit 2 People and the Planet: Section A Introduction to People and the Planet: Topic 3 Living Spaces: 3.1 and 3.2. Section B Small-scale People and the Planet: Topic 5 Changing Cities: 5.1, 5.2. Section B Small-scale People and the Planet: Topic 6 Changing Countryside: 6.1 and 6.2. Unit 4 Researching Geography.
	Tourism, Changing the Rural Landscape	Students discuss the history and development of the tourist industry and its environmental impact in a rural area where it has become the dominant industry. This is followed by a fieldwork study of footpath erosion and the issues surrounding the management of visitors in an area of outstanding natural beauty. Half or full-day option.	Activity sheets, digital cameras, questionnaires, land use maps.	LR	<b>Edexcel IGCSE Geography: (2011 Specification):</b> Section B — People and their environments: Topic 5 — Ecosystems and rural environments. Section C — Global issues: Topic 6 — Globalisation and migration. <b>Edexcel GCSE Geography A: (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills; Topic 5 ICT skills; Unit 3 The Human Environment: Section A The Human World; Topic 2 Farming and the Countryside: 2.1, 2.2; Topic 3 Settlement Change: 3.1. Unit 3 The Human Environment: Section B People Issues: 6.1, 6.2, 6.3. <b>Edexcel GCSE Geography B: (2009 Specification):</b> Unit 2 People and the Planet: Section B Small-scale People and the Planet: Topic 6 Changing Countryside: 6.1, 6.2.
	Urban Settlements	Producing land use classification maps of town centres allows pupils to recognise patterns in retail settlements and settlement function. Development of towns over time can be demonstrated through a range of data collection techniques.	Activity sheets, digital cameras, questionnaires, land use maps.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography A: (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills, Topic 5 ICT skills; Unit 3 The Human Environment: Section A The Human World; Topic 3 Settlement Change: 3.1, 3.2. Unit 4 Investigating Geography. <b>Edexcel GCSE Geography B Specification:</b> Unit 2 People and the Planet: Section A Introduction to People and the Planet: Topic 3 Living Spaces: 3.1, 3.2. Section B Small-scale People and the Planet: Topic 5 Changing Cities: 5.1, 5.2. Unit 4 Researching Geography.

Physical Geography	Coastal Management	Pupils examine the conflicts that arise from coastal erosion and the options for coastal management. They investigate different types of coastal defences and management systems and discuss how the coastal area should be managed in the future.	Activity sheets, digital camera.	Barton Hall, Little Canada, Osmington Bay	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills; Topic 5 ICT skills; Unit 2 Section A The Physical World; Topic 1 Coastal Landscapes: 1.1, 1.2, 1.3. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 1 Dynamic Planet: Section B Small-scale Dynamic Planet: Topic 5 Coastal Change and Conflict: 5.1, 5.2. Unit 4 Researching Geography. <b>Edexcel IGCSE (2011 Specification):</b> Section A — The natural environment and people; Topic 2 — Coastal environments.
	Coastal Processes and Features	The formation of coastal features and their evolution over time is discussed using local examples. Stacks, stumps, wave-cut platforms and caves are examined and if desired a beach profile can be constructed.	Activity sheets, digital camera, Pocket PC, profiling kit.	Barton Hall, Little Canada, Osmington Bay.	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills; Topic 5 ICT skills; Unit 2 Section A The Physical World; Topic 1 Coastal Landscapes: 1.1, 1.2, 1.3. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 1 Dynamic Planet: Section B Small-scale Dynamic Planet: Topic 5 Coastal Change and Conflict: 5.1. Unit 4 Researching Geography. <b>Edexcel IGCSE (2011 Specification):</b> Section A — The natural environment and people; Topic 2 — Coastal environments.
	Investigation Skills and Data Collection Techniques	Students are introduced to the stage-by-stage process required to create a high quality field studies based geographical investigation. They will look at a variety of different methods of surveying an area and select the best techniques and the right amount of data.	Activity sheets, digital cameras, questionnaires, land use maps.	Loch Ranza	<b>Edexcel IGCSE Geography: (2011 Specification):</b> Out-of-classroom learning and practical skills: planning, field skills, analysis and evaluation skills, sketching skills. <b>Edexcel GCSE Geography A: (2009 Specification):</b> Unit 1 Geographical Skills and Challenges: Section A — Geographical Skills. <b>Edexcel GCSE Geography B: (2009 Specification):</b> Skills for Unit 4 Researching Geography
	Rivers and Fluvial Systems	The form and functions of rivers can be studied from source to mouth 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.	Barton Hall, Little Canada, Osmington Bay.	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills; Topic 5 ICT skills; Unit 2 Section A The Physical World; Topic 2 River Landscapes: 2.1, 2.2, 2.3. Unit 4 Investigating Geography. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 1 Dynamic Planet: Section A Introduction to the Dynamic Planet: Topic 4 Water World: 4.1, 4.2. Section B Small-scale Dynamic Planet: Topic 6 River Processes and Pressures: 6.1, 6.2. Unit 4 Researching Geography. <b>Edexcel IGCSE (2011 Specification):</b> Section A — The natural environment and people; Topic 1 — River environments.
	Rocks, Resources and Scenery	The impact of geology on the shape of the landscape and its influence on our use of the land is considered using practical examples. A wide variety of rock types can be seen on a guided walk through a fantastic, remote landscape. There are examples of current and historical uses of rocks and minerals as a resource.	Activity sheets, rock guides, compass clinometer, metre ruler, spirit level, digital camera.	Loch Ranza	<b>Edexcel GCSE Geography B: (2009 Specification):</b> Unit 1 Dynamic Planet: Section A Introduction to the Dynamic Planet: Topic 1 Restless Earth: 1.1.
	The Challenges of Weather and Climate	An introductory talk describes weather and climate in a UK context, including methods of data collection and display. A practical fieldwork exercise focuses on microclimates created by a variety of habitats. Students use a variety of ICT and GIS resources both outside and classroom based, as part of this study.	Activity sheets, digital camera, PC, digital anemometer, light meters, hygrometers, weather stations.	Loch Ranza	<b>Edexcel IGCSE Geography: (2011 Specification):</b> Section A — The natural environment and people; Topic 3 — Hazardous environments: Measuring and recording weather conditions.
	The Coastal Zone	Active coastal processes and resulting landforms are studied with specific focus on long shore drift contributing to the formation of a spit. Data is later presented, analysed and interpreted. This option provides a good introduction to fieldwork sampling techniques and data handling.	Activity sheets, digital camera, profiling kit.	Loch Ranza	<b>Edexcel GCSE Geography A (2009 Specification):</b> Unit 1 Section A Geographical Skills: Topic 1 Basic skills, Topic 2 Cartographic skills, Topic 3 Graphical skills; Topic 5 ICT skills; Unit 2 Section A The Physical World; Topic 1 Coastal Landscapes: 1.1, 1.2. <b>Edexcel GCSE Geography B (2009 Specification):</b> Unit 1 Dynamic Planet: Section B Small-scale Dynamic Planet: Topic 5 Coastal Change and Conflict: 5.1. Unit 4 Researching Geography. <b>Edexcel IGCSE (2011 Specification):</b> Section A — The natural environment and people; Topic 2 — Coastal environments.
	The Impacts of Ice on the Landscape, Glacial Scenery	Classic features of glacial landscapes will be observed, discussed and sketched in a series of field talks. The history of glaciations within the UK and its association with global climate change will be discussed. A practical exercise analyses the content of a sediment deposit to consider its origins.	Activity sheets, rock guides, compass clinometer, metre ruler, spirit level, sediment chart, digital camera.	Loch Ranza	<b>Edexcel GCSE Geography A: (2009 Specification):</b> Unit 2 The Natural Environment: Topic 3 Glaciated landscapes: 3.1, 3.2.
	The Mountain Environment	A full day guided walk into a mountain environment. This option includes discussion of landscape features, vegetation types, risk assessment, preparation, equipment, map skills, climate, challenges to people, natural hazards, human impact and management issues.	Activity sheets, rock guides, digital camera, compass and maps.	Loch Ranza	<b>Edexcel GCSE Geography B: (2009 Specification):</b> Unit 1 Dynamic Planet: Section A Introduction to the Dynamic Planet: Topic 1 Restless Earth: 1.1. Unit 2 People and the Planet: Section B Small-scale People and the Planet: Topic 6 Changing Countryside: 6.1, 6.2
	The Restless Earth	This option introduces students to features along a stretch of coastline resulting from the influence of volcanic activity and plate tectonics. The influence of different rock types on coastal landforms will also be considered.	Activity sheets, rock guides, digital camera.	Loch Ranza	<b>Edexcel IGCSE Geography: (2011 Specification):</b> Section A — The natural environment and people; Topic 3 — Hazardous environments. <b>Edexcel GCSE Geography B: (2009 Specification):</b> Unit 2 The Natural Environment: Section A The Physical World: Topic 4 Tectonic Landscapes. <b>Edexcel GCSE Geography A: (2009 Specification):</b> Unit 1 Dynamic Planet: Section A Introduction to the Dynamic Planet: Topic 1 Restless Earth: 1.1. (1.2 if do follow up)

