

	Brief Description	Equipment Includes	Centres		Curriculum Information - OCR
			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			OCR GCSE Geography A (2010 Specification): 3.2 Unit A672: You as a Global Citizen – the impact of our decisions: Task 1 and Task 2. OCR GCSE Geography B (2010 Specification): 3.4.2 Theme 2: Population and Settlement.
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			OCR GCSE Geography B (2010 Specification): 3.1 Unit B561: Sustainable Decision Making: Theme 2: Population and Settlement. 3.2 Unit B562: Geographical Enquiry. 3.2.1 Fieldwork Focus. 3.4.2 Theme 2: Population and Settlement: e.
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	✗		OCR GCSE Geography B Specification: 3.1 Unit B561: Sustainable Decision Making: Theme 2: Population and Settlement. 3.2 Unit B562: Geographical Enquiry: 3.2.1 Fieldwork Focus. 3.4.2 Theme 2: Population and Settlement: d and e.
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			OCR GCSE Geography B Specification: 3.1 Unit B561: Sustainable Decision Making: Theme 2: Population and Settlement. 3.2 Unit B562: Geographical Enquiry: 3.2.1 Fieldwork Focus. 3.4.2 Theme 2: Population and Settlement. OCR GCSE Geography A (2016 Specification). 2c. Living in the UK Today. 2.1.2 People of the UK. 1.2.3 Causes and consequences of development.

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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		✗	OCR GCSE Geography B (2012 Specification): 3.1 Unit B561: Sustainable Decision Making: Theme 1: Rivers and Coasts: Coastal management strategies. 3.2 Unit B562: Geographical Enquiry: 3.2.1 Fieldwork Focus. 2.4.1 Theme 1: Rivers and Coasts: d and e.
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			OCR GCSE Geography B (2010 Specification): 3.1 Unit B561: Sustainable Decision Making: Theme 1: Rivers and Coasts: Coastal management strategies. 3.2 Unit B562: Geographical Enquiry: 3.2.1 Fieldwork Focus. 3.4.1 Theme 1: Rivers and Coasts: d and e. OCR GCSE Geography A (2016 Specification). 2c. Living in the UK Today. 2.1.1 Landscapes of the UK. 1.1.2. Geomorphic processes 1.1.4 Coastal landscapes 1.1.5 Case study
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		✗	OCR GCSE Geography B Specification (2010 Specification): 3.1 Unit B561: Sustainable Decision Making: Theme 1: Rivers and Coasts: Flood management strategies. 3.2 Unit B562: Geographical Enquiry: 3.2.1 Fieldwork Focus. 3.4.1 Theme 1: Rivers and Coasts: a, b and c. OCR GCSE Geography A (2016 Specification). 2c. Living in the UK Today. 2.1.1 Landscapes of the UK. 1.1.3 Rivers. 1.1.5 Case study.

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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			OCR GCSE Geography A 2016 (Geographical themes: 2c. Living in the UK today. 1.1.5: Landscapes are dynamic and differ depending on their geology, climate and human activity. OCR GCSE Geography B 2016 (Geography for enquiring minds) 2c. Contents of our natural world. 3.1.What makes our landscape distinctive? 3.2 What influences the landscapes of the UK?
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			OCR GCSE Geography A 2016 (Geographical themes: 2c. Living in the UK today. 1.1.5: Landscapes are dynamic and differ depending on their geology, climate and human activity. OCR GCSE Geography B 2016 (Geography for enquiring minds) 2c. Contents of our natural world. 3.1.What makes our landscape distinctive? 3.2 What influences the landscapes of the UK?

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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			OCR GCSE Biology B (2012 Specification). Module B4: It's a Green World. B4a: Ecology in a local environment. OCR GCSE Geography A (2016 Specification). 2c. The World Around Us (J3883/02). 2.2.1 Ecosystems of the planet. 2.1.1 Ecosystems consist of interdependent components. OCR Biology B (2016 Specification). B3.3 How are organisms in an ecosystem interdependent? 5, 9, 11. B3.4 How are populations affected by conditions in an ecosystem? 1. B7 Ideas about science. laS1: 2-8. laS2: 1, 7,8, 11, 12. laS3:1. PAG: 3 Sampling techniques. OCR Biology A (Specification 2016): B4.1 Ecosystems. B4.1f. Topic B6: Global challenges. B6.1 Monitoring and maintaining the environment. B6.1a, B6.1b, B6.1c. Topic B7: Practical skills. 3 sampling techniques.
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			OCR Biology B: Twenty First Century Science (2016 Specification). B3.3 How are organisms in an ecosystem interdependent? 5, 9, 11. B3.4 How are populations affected by conditions in an ecosystem? 1. B7 Ideas about science. laS1: 2-8. laS2 : 1, 7,8, 11, 12. laS3: 1. PAG: 3. OCR Biology A (Specification 2016): B4.1 Ecosystems. B4.1f, B4.1g. Topic B6: Global challenges. B6.1 Monitoring and maintaining the environment. B6.1a, B6.1b, B6.1c. Topic B7: Practical skills. 3 sampling techniques.
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.		✗	OCR Biology B (2016 Specification). B3.3 How are organisms in an ecosystem interdependent? 5, 9, 11. B3.4 How are populations affected by conditions in an ecosystem? 1. B7 Ideas about science. laS1: 2-8. laS2: 1, 7,8, 11, 12. laS3:1. PAG: 3 Sampling techniques. OCR Biology A (Specification 2016): B4.1 Ecosystems. B4.1f. Topic B6: Global challenges. B6.1 Monitoring and maintaining the environment. B6.1a, B6.1b, B6.1c. Topic B7: Practical skills. 3 sampling techniques.
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, 2 quadrats, plant ID guides, Pocket ID books, anemometer	✗		OCR Biology B (2016 Specification). B3.3 How are organisms in an ecosystem interdependent? 5, 9, 11. B3.4 How are populations affected by conditions in an ecosystem? 1. B7 Ideas about science. laS1: 2-8. laS2: 1, 7,8, 11, 12. laS3:1. PAG: 3 Sampling techniques. OCR Biology A (Specification 2016): B4.1 Ecosystems. B4.1f. Topic B6: Global challenges. B6.1 Monitoring and maintaining the environment. B6.1a, B6.1b, B6.1c. Topic B7: Practical skills. 3 sampling techniques.