**The Living world**

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|  | Revision 1 | http://images.clipartof.com/thumbnails/70561-Royalty-Free-RF-Clipart-Illustration-Of-A-Digital-Collage-Of-Nine-Black-And-White-Faces.jpg | http://images.clipartof.com/thumbnails/70561-Royalty-Free-RF-Clipart-Illustration-Of-A-Digital-Collage-Of-Nine-Black-And-White-Faces.jpg | http://images.clipartof.com/thumbnails/70561-Royalty-Free-RF-Clipart-Illustration-Of-A-Digital-Collage-Of-Nine-Black-And-White-Faces.jpg | Revision 2 |
| Using an example from the UK **(Freshwater Pond)**, I can explain the **interrelationship** within the natural system. |  |  |  |  |  |
| I can define and give UK examples of **producers consumers, decomposer, food chain, food web** and **nutrient cycle** |  |  |  |  |  |
| I can explain the **interdependence** of each of the above and explain how changes might affect each other. |  |  |  |  |  |
| I can describe the **distribution** and characteristics of **global ecosystems** around the world. |  |  |  |  |  |
| Tropical rainforests (core content) |  |  |  |  |  |
| I can describe the physical characteristics of the **tropical rainforests** |  |  |  |  |  |
| I can explain the **interdependence** of the climate, water, soils, plants, animals and people in a tropical rainforest |  |  |  |  |  |
| I can explain how plants and animals have **adapted** to the physical conditions of tropical rainforests. |  |  |  |  |  |
| I can describe and explain the changing rates of **deforestation**. |  |  |  |  |  |
| I can use a case study to explain the causes of **deforestation** **(Malaysian Rainforest)**  subsistence and commercial farming,   1. Logging, 2. Road Building 3. Mineral Extraction 4. Energy Development, 5. Settlement 6. Population Growth |  |  |  |  |  |
| I can use a case study to explain the impacts of **deforestation** **(Malaysian Rainforest)**   1. Economic development 2. Soil erosion, 3. Contribution to climate change. |  |  |  |  |  |
| I can explain the importance and **value** of the tropical rainforest on a local, national and international scale. |  |  |  |  |  |
| I can explain why it is important that the tropical rainforest should be **managed sustainably**. |  |  |  |  |  |
| I can explain how the tropical rainforest can be managed sustainably using a range of methods   1. Selective logging and replanting 2. Conservation and education 3. Ecotourism 4. International agreements about the use of tropical hardwoods, 5. Debt reduction. |  |  |  |  |  |
| Hot deserts (option) |  |  |  |  |  |
| I can describe the physical characteristics of the hot desert |  |  |  |  |  |
| I can explain the **interdependence** of the climate, water, soils, plants, animals and people in a hot desert |  |  |  |  |  |
| I can explain how plants and animals have **adapted** to the physical conditions of hot deserts |  |  |  |  |  |
| I can describe and explain the problems and issues with changing **biodiversity** within the hot desert. |  |  |  |  |  |
| I can use a case study to explain the **opportunities** of living in a desert **(Thar Desert)**  subsistence and commercial farming,   1. Mineral Extraction 2. Energy Development 3. Farming 4. Tourism |  |  |  |  |  |
| I can use a case study to explain the challenges of living in a desert **(Thar Desert)**   1. Extreme temperature 2. Water supply 3. Inaccessibility |  |  |  |  |  |
| I can define and describe **desertification** |  |  |  |  |  |
| I can explain the causes of **desertification** both human and natural |  |  |  |  |  |
| I can explain a how **desertification** can be managed using:   1. Water and soil management 2. Tree planting 3. Using appropriate technology |  |  |  |  |  |