















**1. Ecosystems of the Planet**

1.1 Global Ecosystems	😊	😐	☹️
Describe what an ecosystem is			
Explain how the abiotic (weather, climate, soil) and biotic (plants, animals, humans) of an ecosystem are interdependent			
Describe the global distribution of the polar regions (Antarctica and Arctic)			
Describe the climate of polar regions using climate graphs			
Explain why Antarctica is a colder region than the Arctic			
Describe and explain the types of flora (plants) and fauna (animals) found in the polar regions			
Describe the global distribution of other global ecosystems including: <ul style="list-style-type: none"> <li>• Tropical grasslands (Savannah)</li> <li>• Temperate grasslands</li> <li>• Hot deserts</li> </ul>			
Describe and explain the climate of tropical grasslands, temperate grasslands and hot deserts using climate graphs			
Describe and explain the types of flora (plants) and fauna (animals) found in tropical grasslands, temperate grasslands and hot deserts.			
1.2 Tropical Rainforests	😊	😐	☹️
Describe the location of tropical rainforests including the Amazon, Central America, Congo River Basin, Madagascar, South East Asian and Australasian			
Describe and explain the climate of tropical rainforests using climate graphs			
Describe and explain the processes that operate within the rainforest; <ul style="list-style-type: none"> <li>• Nutrient cycle</li> <li>• Water cycle</li> </ul>			
<b>CASE STUDY: the Peruvian Amazon</b> <ul style="list-style-type: none"> <li>• Describe the location and characteristics of the Peruvian Amazon</li> <li>• Describe how the Peruvian Amazon is valuable to humans and the planet</li> <li>• Describe and explain the threats to biodiversity in the Peruvian Amazon</li> <li>• Describe how the Peruvian Amazon rainforest can be managed including the Purus-Manu Conservation Corridor</li> </ul>			
1.3 Coral reefs	😊	😐	☹️
Describe the location of warm water coral reefs.			
Describe the three main conditions needed to form coral reefs			
Describe and explain the process of nutrient cycling in coral reefs			
Describe how coral reefs are important on a local and global scale.			
<b>CASE STUDY: The Andros Barrier Reef</b> <ul style="list-style-type: none"> <li>• Describe the location of the Andros Barrier Reef</li> <li>• Describe how different species are interrelated</li> <li>• Describe how the Andros Barrier Reef is valuable to humans and biodiversity</li> <li>• Describe and explain the human and natural threats to the Andros Barrier Reef</li> <li>• Describe and explain how the Andros Barrier Reef is managed sustainably.</li> </ul>			

## 2. People of the Planet

2.1 Global development			
The social, economic and environmental definitions of development, including the concept of sustainable development			
Social development indicators including Death rate, Infant mortality, Literacy rate, Life expectancy, birth rate, quality of rate, Doctors per 1000			
Economic development indicators including GDP per capita, Employment type, GNI per capita, Absolute poverty, standard of living, relative poverty			
Define the Human Development Index (HDI)			
Explain the advantages and disadvantages of different indicators including HDI GNI per capita.			
Describe how development indicators illustrate the consequences of uneven development			
Describe the current pattern and classification of advanced countries (ACs), emerging and developing countries (EDCs) and low-income developing countries (LIDCs)			
2.2 Uneven development			
Explain the reasons for uneven development including physical factors such as availability of resources, natural hazards, the role of climate and location.			
Explain the reasons for uneven development including human factors such as the impact of colonialism on trade and exploitation of natural resources			
Describe the different types of aid and explain how these can promote and hinder development			
2.3 Case Study - Ethiopia: changing economic development (LIDC)			
Describe the location of Ethiopia and explain how this influences its development			
Explain how the landscape, climate and relief of Ethiopia influences development			
Describe the varied ecosystems found in Ethiopia			
Describe the availability of natural resources found in Ethiopia and explain how this influences development			
Describe Ethiopia's political development over time and explain how this influences development			
Describe Ethiopia's main imports and exports and explain the importance of trade in Ethiopia's development			
Explain the role of international investment in the development of Ethiopia			
Give examples of Trans-national companies (TNCs) that operate in Ethiopia			
Give the advantages and disadvantages of TNCs for Ethiopia			
Explain how the development of tourism could be beneficial for Ethiopia's national development.			
Describe and explain how Ethiopia's population and employment structure have changed over time			
Describe how Ethiopia has invested in education and healthcare provision and explain how this will be beneficial to national development			
Describe the technological developments, such as communications technology that have taken place and explain how these will be beneficial to national development			
Explain the importance for Ethiopia to receive debt relief			
Explain how aid schemes in Ethiopia can be beneficial to national development			
<b>CASE STUDY: OXFAM – GOAT AID</b> – Describe how Goat Aid works and explain why it is sustainable			
Describe the <b>Rostow Model</b> and explain how it shows stages of development			
Explain how <b>Rostow's Model</b> explains Ethiopia's path to economic development			
2.4 Global urbanisation			
Define the terms city, megacity and world city and know there characteristics			
Describe the distribution of megacities and explain how this has changed over time			

Explain how urban growth rates vary in parts of the world with contrasting levels of development			
<b>2.5 Rapid urbanisation in LIDCs</b>	😊	😐	😞
Explain the causes of rapid urbanisation in LIDCs			
Explain the push and pull factors behind rural-urban migration in LIDCs			
Explain how internal growth causes cities to grow			
Describe the consequences of rapid urbanisation in LIDCs			
Describe the characteristics of informal housing/settlements			
<b>CASE STUDY: MAKOKO, LAGOS in NIGERIA</b> – Explain the consequences of rapid urban growth for Lagos			
<b>2.6 Case Study – Rosario (Argentina): a major city in an EDC</b>	😊	😐	😞
Describe the location of Rosario (EDC) within its region, country and wider world			
Explain how migration (national and international) has impacted the cities' growth and character			
Describe the ways of life within the city including culture, ethnicity, housing, leisure and consumption.			
Describe the challenges that affect the urban area including, housing availability, transport provision and waste management			
Describe and explain the sustainable strategies to overcome one of the cities challenges.			

### 3. Environmental Threats to Our Planet

<b>3.1. Climate change from the start of the Quaternary period</b>	😊	😐	😞
Describe and explain how the climate has changed from the beginning of the Quaternary period to the present day, including ice ages			
Describe the key periods of warming since AD 1000, including the medieval warming, Little Ice Age and modern warming			
Explain the evidence for climate change over different time periods, including global temperature data, ice cores, tree rings, paintings and diaries			
<b>3.2 Causes of climate change</b>	😊	😐	😞
Explain the theories of natural causes of climate change including variations in energy from the sun, changes in the Earth's orbit and volcanic activity.			
Explain how human activity is responsible for the enhanced greenhouse effect which contributes to global warming.			
<b>3.3 Consequences of climate change</b>	😊	😐	😞
Explain a range of consequences of climate change being experienced around the world including sea level rise			
<b>CASE STUDY: TUVALU</b> – Outline the social, economic and environmental impacts of sea level change on Tuvalu and how the people are responding			
<b>3.4 Global circulation of the atmosphere</b>	😊	😐	😞
Describe the main climatic regions of the world			
Explain how the global circulation of the atmosphere is controlled by the movement of air between the poles and the Equator			
Explain what happens in areas of high and low pressure			
Explain how the global circulation of the atmosphere leads to extreme weather conditions in different parts of the world			
<b>3.5. Extreme Weather: tropical storms and drought</b>	😊	😐	😞
Describe what a drought is and where they occur on a global scale			
Explain the causes of drought including the effects of El Nino and La Nina' and the intertropical convergence zone (ITCZ)			
Explain how human activities can make the impacts of droughts worse			

<p><b>CASE STUDY – ‘THE BIG DRY’ in AUSTRALIA –An event caused by El Nino/La Nina</b></p> <ul style="list-style-type: none"> <li>• Explain how the extreme weather conditions of El Nino/La Nina develop and how this can lead to drought in Australia</li> <li>• Explain the effects of the drought on people and the environment</li> <li>• Explain ways in which people have adapted to drought in the case study area</li> </ul>			
<p>Describe and explain the distribution, causes and frequency of tropical storms</p>			