



GCSE Geography – Programme of Study

PAPER 1: UNIT 1 – LIVING WITH THE PHYSICAL ENVIRONMENT

SECTION A – The Challenge of Natural Hazards

❖ Natural Hazards

- What are natural hazards?

❖ Tectonic Hazards

- Distribution of earthquakes and volcanoes
- Physical processes at plate margins
- The effects of earthquakes – EXAMPLES in Chile and Nepal
- Responses to earthquakes – EXAMPLES in Chile and Nepal
- Living with the risk from tectonic hazards
- Reducing the risk from tectonic hazards

❖ Weather Hazards

- Global atmospheric circulation
- Where and how are tropical storms are formed
- The structure and features of tropical storms
- EXAMPLE: Typhoon Haiyan - a tropical storm
- Reducing the effects of tropical storms
- Weather hazards in the UK
- EXAMPLE: The Somerset Levels extreme weather/floods, 2014
- Extreme weather in the UK

❖ Climate Change

- What is the evidence for climate change?
- What are the natural causes of climate change?
- What are the human causes of climate change?
- Managing the impacts of climate change

SECTION B – The Living World

❖ Ecosystems

- Introducing a small-scale ecosystem
- How does change affect ecosystems
- Introducing global ecosystems

❖ Tropical Rainforests

- Environmental characteristics of rainforests
- **CASE STUDY - Causes and impacts of deforestation in Malaysia**
- Managing tropical rainforests
- Sustainable management of tropical rainforests

❖ Hot Deserts

- Environmental characteristics of hot deserts
- **CASE STUDY - Opportunities for development in the Thar desert**
- Challenges of development hot deserts
- Causes of desertification in hot deserts
- Reducing desertification in hot deserts

SECTION C – Physical landscapes in the UK

❖ UK landscapes

- The UK's relief and landscapes

❖ Coastal landscapes

- Wave types and their characteristics
- Weathering and mass movement
- Coastal marine processes
- Coastal erosion landforms
- Coastal deposition landforms
- EXAMPLE: Coastal landforms at Swanage
- Managing coasts – hard engineering
- Managing coasts – soft engineering
- Managing coasts managed retreat
- EXAMPLE: Coastal management at Lyme Regis or Walton on the Naze

❖ River landscapes

- Changes in rivers and their valleys
- Fluvial (river) processes
- River erosion landforms
- River erosion and deposition landforms
- EXAMPLE: River landforms on the River Tees
- Factors increasing flood risk
- Managing floods – hard engineering
- Managing floods – soft engineering
- EXAMPLE: Managing floods at Banbury

PAPER 2: UNIT 2: CHALLENGES IN THE HUMAN WORLD

SECTION A – Urban issues and challenges

❖ The urban world

- An increasingly urban world
- The emergence of megacities
- EXAMPLE: Introducing Rio de Janeiro
- Social challenges in Rio
- Economic challenges in Rio
- Improving Rio's environment
- Managing the growth of squatter settlements
- Planning for Rio's urban poor

❖ Urban change in the UK

- Where do people live in the UK?

❖ CASE STUDY: Introducing Bristol

- **How can urban change create social opportunities?**
- **How can urban change create opportunities?**
- **How can urban change affect the environment?**
- **Environmental challenges in Bristol**
- **Creating a clean environment in Bristol**
- **Social inequality in Bristol**
- **New housing for Bristol**
- EXAMPLE: The Temple Quarter regeneration, Bristol

❖ Sustainable urban development

- Planning for urban sustainability
- Sustainable living in Curitiba
- Sustainable traffic management strategies

SECTION B – The changing economic world

❖ The development gap

- Our unequal world
- Measuring development
- The Demographic Transition Model
- Changing population structures
- Causes of uneven development
- Uneven development – wealth and health
- Uneven development – migration
- Reducing the gap
- Reducing the gap – aid and intermediate technology
- Reducing the gap – fair trade
- Reducing the gap – debt relief
- Reducing the gap – tourism
- EXAMPLE: Tourism Jamaica, an LIC

❖ CASE STUDY: Nigeria: a Newly Emerging Economy

- **Exploring Nigeria**
- **Nigeria in the wider world**
- **Balancing a changing industrial structure**
- **The impacts of transnational corporations**
- **The impacts of international aid**
- **Managing environmental issues**
- **Quality of life in Nigeria**

❖ The changing UK economy

- Changes in the UK economy
- A post-industrial economy
- UK science and business parks
- Environmental impacts of industry
- Changing rural landscapes in the UK
- Changing transport infrastructure
- The north-south divide
- The UK in the wider world

SECTION C – The challenge of resource management

❖ Resource management

- The global distribution of resources
- Provision of food in the UK
- Provision of water in the UK
- Provision of energy in the UK

❖ Water management

- Global water supply
- The impact of water insecurity
- How can water supply be increased?
- EXAMPLE: The Lesotho Highland Water Project (water transfer scheme)
- Sustainable water supplies
- EXAMPLE: The Wakel River Basin project, India (sustainable water supplies in an NEE)

PAPER 3: UNIT 3: GEOGRAPHICAL APPLICATIONS

Section A: Issue evaluation

Section B: Fieldwork

Geographical skills