

GEOGRAPHY KS3 KNOWLEDGE AT A KEY



- Development, globalisation & demographics
- Climate change
- Tectonic & atmospheric hazards
- Biomes, environment & natural resources
- Erosional & transportational processes & landforms
- Urbanisation and Land use
- Exploring the UK

CAN YOU MAKE SUSTAINABLE DECISIONS?

International agreements on sustainability
 Making sustainable decisions in relation to climate change within the UK
 Protecting environmentally ecological sensitive locations

Year 9
Topic 6

WHAT ARE COASTAL PROCESSES & PRESSURES

Erosional & transportational processes at the coast & coastal landforms
 Climate change influencing UK flooding events and coastal erosion
 Coastal defence strategies in coastal settlements

Year 9
Topic 4

SHOULD HUMANS CONSUME EARTH'S RESOURCES?

Importance of natural resources supporting development
 Impacts of resource extraction on development & environment (Africa)

Year 9
Topic 2

CAN YOU BE A GLOBAL CITIZEN?

Combatting climate change impacts
 Supporting international development and globalisation

Year 8
Topic 6

WHAT'S DOWN BY THE RIVER?

Dovedale fieldtrip
 Erosional & transportational processes along rivers and river landforms
 River flooding in the UK

Year 8
Topic 4

IS THERE BLOOD IN MY MOBILE?

Exploitation of resources in low-income countries
 Introduction to globalisation
 Sweat shops in the UK – Leicester case study

Year 8
Topic 2

HOW DO COUNTRIES DEVELOP?

Regeneration of brownfield sites
 Contrasting countries level of development
 Contrasting levels of development in the UK – London, Robin Hood Gardens vs Saffron Gardens

Year 7
Topic 6

WHAT LIES BENEATH?

Introduction to rock cycle and erosional processes
 Food insecurity and soil erosion (desertification)
 Layers of the Earth and convection currents

Year 7
Topic 4

IS RUGBY AN APPEALING PLACE TO LIVE?

Exploring Rugby on OS maps using 4/6 point compass
 Indicators about Rugby services and development
 Regions and counties in England
 Land use (brownfield & Green field)
 Fieldwork introduction (hypothesis, methodology & conclusion)

Year 7
Topic 2

WHAT IS THE GEOGRAPHY OF CRIME?

Demographics of crime – age groups (population pyramid)
 Wards influencing crime rates (land use, regeneration)
 Birmingham Ladywood vs Sutton Four Oaks
 UK crime rate, investigation (virtual fieldwork)

Year 9
Topic 5

WHAT ARE MEGACITIES & WHY ARE THEY IMPORTANT?

Rapid urbanisation – Mega cities. Lagos, Nigeria (Africa)
 Opportunities and challenges of shanty towns
 Resource demand and use supporting land use change and regeneration

Year 9
Topic 3

HOW DOES CLIMATE CHANGE IMPACT HUMANS?

Climate change influencing frequency and intensity of atmospheric hazards
 Development influencing preparation and response to hazards
 Distribution of natural hazards (plate boundaries)

Year 9
Topic 1

WHAT IS RUSSIA'S ROLE?

Biome and physical landscape of Russia
 Russia's level of development and BRICS nations
 Russia's international role and conflict – world issue

Year 8
Topic 5

HOW DO GLACIERS IMPACT HUMANS?

Erosional processes influencing glacial landforms
 Importance of freshwater resources from glaciers
 Previously glaciated landscapes in the UK

Year 8
Topic 3

WHAT ARE THE THREATS TO THE BIOSPHERE?

Factors influencing biome distribution
 Services and protection of biomes
 Impact of climate change on biomes (fauna and flora)

Year 8
Topic 1

WHY ARE NATURAL HAZARDS DANGEROUS?

Continental drift and plate tectonics (tectonic hazards)
 Level of development influencing natural hazard response (tectonic)
 Impacts of natural hazards on the environment

Year 7
Topic 5

WHAT ARE WORLD ISSUES?

Countries level of development – development indicators introduction
 Impacts of climate change around the world. Pakistan floods example.
 Desertification and impacts on soil management

Year 7
Topic 3

WHAT IS GEOGRAPHY?

Using 4-point and 6-point compass, OS maps
 Exploring the British Isles & continents
 • Weather and climate - introduction to climate change
 • Exploring different biomes (fauna & flora)

Year 7
Topic 1

START

GEOGRAPHY KS4 KNOWLEDGE AT A GLANCE



KEY INFORMATION

- Case study required (may include two contrasting locations) >
- examples given per topic do not cover entire requirements for each topic, example only.
- Knowledge is “built” upon during each topic and KS3 to make synoptic links between topics.
- OCR B Geography specification link >
<https://ocr.org.uk/Images/207307-specification-accredited-gcse-geography-b-j384.pdf>


UK IN THE 21ST CENTURY

- Overview of human & physical geographical characteristics of the UK including population density, land use, rainfall and relief with associated issues
- Overview of population trends from 2001 in the UK
- Causes, effects & responses to an ageing population within the UK
- Examine the UK’s political role in one global conflict through its participation in international organisation
- Explore how the UK’s media exports their global influence & cultural diffusion within the UK


DISTINCTIVE LANDSCAPES

- Differences between built up and natural landscape
- Distribution of upland and lowland locations within the UK 
- Geomorphic processes that are involved in shaping the landscape including weathering, erosion, transportation and mass movement
- Formation of coastal landforms including headlands, bays, arches
- Two contrasting case studies, one coastal and  one river landscape including landform formation



SUSTAINING ECOSYSTEMS – POLAR ENVIRONMENTS


- Outline distinctive characteristics of the arctic including climate, features of the land and sea, including flora and fauna.
- Interdependence between climate, soil, water, plants, animals and human activity
- Two case studies on small-scale and large-scale sustainable management in Arctic e.g. tourism 

CHANGING CLIMATE

- Pattern of climate change from beginning of the Quaternary period
- How reliable is climate change evidence?
- Natural greenhouse effect
- SEEP impacts of climate change in the UK including weather patterns 

GLOBAL HAZARDS

- Global atmospheric circulation, pressure systems, extreme weather causes and impacts
- El Niño & La Niña
- Distribution & frequency of tropical storms
- Flooding and heatwave case studies (contrasting locations) 
- Earth structure, plate margins, tectonic case study
- Tectonic mitigation e.g. building design 

EXAMS 

Paper 3 –
Unseen
fieldwork

Paper 2

Paper 2

Paper 1

YR 11 

Paper 2

Paper 1

Paper 1

Paper 1

Paper 2

Paper 1


START

PAPER 3 PREPARATION / REVISION


The assessment of this component will be fully synoptic in nature and will draw on both paper 1 and 2. There is no specific content prescribed within the assessment of this component. There will be a “unseen” country which the assessment will focus on.

The synoptic nature of bringing together ideas from different topics will allow learners to ‘think like a geographer’


RESOURCE RELIANCE

- Outline factors leading to demand outstripping supply of food, energy and water
- Farming methods including monocrops and deforestation implications
- How world patterns of access to food are illustrated, such as the world hunger index
- Case study of attempts to achieve food security including successes and challenges within a country 


URBAN FUTURES

- How urban growth rates vary in parts of the world with contrasting levels of development
- Megacity distribution and characteristics
- Causes of rapid urbanisation in LIDCs, including pull & push factors
- Consequences of rapid urbanisation in LIDCs
- Cities site and situation inc. pattern of national and international migration, city life and challenges of AC city 
- For each city investigate one initiative to make it more sustainable

SUSTAINING ECOSYSTEMS – TROPICAL RAINFORESTS

- Ecosystem interdependence on multiple factors
- Global distribution of biomes with overview of climates, fauna and flora.
- Characteristics of tropical rainforests inc. nutrient cycle, soil profile and water cycle
- Human impacts in the tropical rainforest including logging, cattle ranching
- Case study exploring sustainability strategies e.g. eco-tourism, biosphere reserves 

DYNAMIC DEVELOPMENT

- Defining development (AC, EDC, LIDCs), global distribution of ACs, EDCs, LIDCs
- Measuring development (socioeconomic) including GNI, HDI & factors influencing development.
- LIDC case study including influences of  population, society, technology, politics over 50 years.
- LIDC achieving millennium development goals.
- International trade and commodity reliance
- Top-down vs bottom-up development strategies 