

GEOGRAPHY KS3 SKILLS AT A GLANCE

KEY

- Justification – The level of significance
- Investigation – Fieldwork
- Synoptic – Making Links
- Cartographic – Map Skills
- Assessing – Level of significance
- Evaluation – Strengths and Weaknesses
- Graphical & numerical skills



CAN YOU MAKE SUSTAINABLE DECISIONS?

Justification – Proving successfulness of sustainable decisions with evidence
 Evaluation – Strengths and weaknesses of sustainable decision
 Assessing – Successfulness of sustainable decisions/actions

Year 9
Topic 6

WHAT ARE COASTAL PROCESSES & PRESSURES

Synoptic – Erosional and depositional processes forming coastal landforms
 Cartographic – coastal landforms and sea defences on OS maps

Year 9
Topic 4

SHOULD HUMANS CONSUME EARTH'S RESOURCES?

Justification – synergising evidence to prove/disprove Malthusian catastrophes
 Graphical & numerical skills – pie chart construction

Year 9
Topic 2

CAN YOU BE A GLOBAL CITIZEN?

Evaluation – Strengths and Weaknesses
 Synoptic – actions and consequences

Year 8
Topic 6

WHAT'S DOWN BY THE RIVER?

Synoptic – erosional and depositional processes creating river landforms
 Investigation – Fieldwork “Exploring fluvial and glacial processes within Dovedale, Peak District”

Year 8
Topic 4

IS THERE BLOOD IN MY MOBILE?

Justification – “who is the most to blame for conflict minerals?”
 Graphical & numerical skills – calculating mean, source analysis – GCSE* graphs

Year 8
Topic 2

HOW DO COUNTRIES DEVELOP?

Assessing – Successfulness of development and causes of inequality between countries
 Synoptic – tectonic processes and impacts

Year 7
Topic 6

WHAT LIES BENEATH?

Graphical & numerical skills interpreting graphs-
 Synoptic – Importance of soil and soil quality influencing resources

Year 7
Topic 4

IS RUGBY AN APPEALING PLACE TO LIVE?

Investigation – Fieldwork “Is Rugby an appealing place to live?”
 Cartographic – Rugby on OS maps/atlas skills
 Graphical & numerical - radial graph/bar chart construction

Year 7
Topic 2

WHAT IS THE GEOGRAPHY OF CRIME?

Year 9
Topic 5
 Investigation – Demographic change and urbanisation/regeneration in urban locations
 Cartographic – proportional flow maps/crime mapping/GIS
 Assessing – Most significance causes of crime

WHAT ARE MEGACITIES & WHY ARE THEY IMPORTANT?

Year 9
Topic 3
 Cartographic – proportional maps (mega cities)
 Evaluation – Opportunities and challenges within a mega city

HOW DOES CLIMATE CHANGE IMPACT HUMANS?

Year 9
Topic 1
 Assessing – rate of successfulness of preparation and response to hurricanes
 Synoptic – climate change increasing frequency and severity of hurricanes
 Evaluation – of preparation and response to hurricanes

WHAT IS RUSSIA'S ROLE?

Year 8
Topic 5
 Graphical & numerical skills
 Synoptic – impacts of nuclear energy (Chernobyl example)

HOW DO GLACIERS IMPACT HUMANS?

Year 8
Topic 3
 Cartographic – using scale to calculate distance
 Synoptic – erosional and depositional processes creating landforms.

WHAT ARE THE THREATS TO THE BIOSPHERE?

Year 8
Topic 1
 Assessing – The significance of threats to the biosphere
 Cartographic – Satellite imagery of deforestation in Indonesia & Brazil

WHY ARE NATURAL HAZARDS DANGEROUS?

Year 7
Topic 5
 Evaluation – Strengths and Weaknesses of preparation/response
 Synoptic – tectonic processes and impacts

WHAT ARE WORLD ISSUES?

Year 7
Topic 3
 Synoptic – Making Links
 Cartographic – Interpreting satellite imagery, land use change

WHAT IS GEOGRAPHY?

Year 7
Topic 1
 Building foundation knowledge
 Cartographic – using atlases/globes/ finding my house on a OS map
 Synoptic – Explaining why something happens

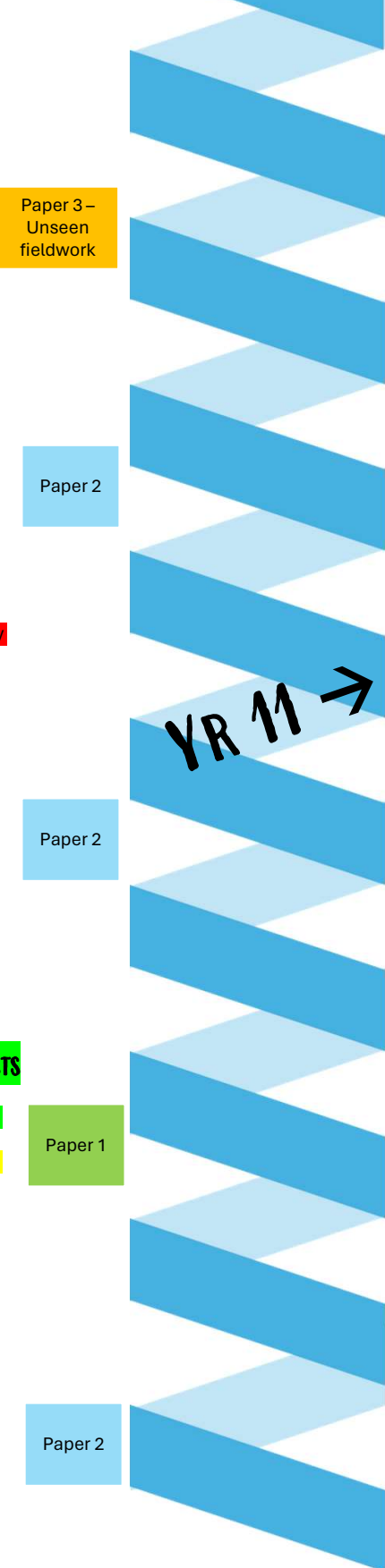
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GEOGRAPHY KS4 SKILLS AT A GLANCE

KEY INFORMATION

- Map interpretation (inc. analyse, scale, Choropleth maps, spheres of influence)
- Graph/source skills (inc. graph construction, extracting information, pie charts, completing graphs)
- Numerical and statistical (inc. understand of number, area and scale, ratio, quantitative data analysis, drawing conclusions based on numerical datasets)
- Fieldwork skills – forming hypothesis processing and presenting fieldwork, analysing and explaining data collected

EXAMS



UK IN THE 21ST CENTURY

- Highland and lowland distribution influencing city distribution, rainfall map of British Isles, transport links mapping, OS map skills, scale.
- Water stress graph, land cover in the UK, interpreting land use in the UK, age distribution within the UK
- Interpreting population density within the UK, calculating annual population change, population increase/decrease as percentage, calculating mean, mode, percentage increase/decrease

DISTINCTIVE LANDSCAPES

- Highlands and low-land mapping of the UK, previously glaciated landscape mapping in northern England, Wales and Scotland. Geology distribution, aerial photograph interpretation, OS mapping of coastal and river landforms.
- World wall interpretation, coastal erosional rates
- Coastal fieldwork Hunstanton – use of ranging pole, formulating and testing hypothesis, evaluating, collecting quantitative and qualitative data, presenting information

SUSTAINING ECOSYSTEMS – POLAR ENVIRONMENTS

- Arctic and Antarctic ice coverage and rate of loss, satellite imagery interpretation.
- Climate data set analysis and interpretation, food web and nutrient cycles, soil profile, stakeholder interpretation
- Calculating rate of ice loss per year, percentage increase/decrease

CHANGING CLIMATE

- Global temperature mapping, ice coverage
- Climate graph interpretation, global average temperatures, line graph interpretation.
- Global greenhouse emissions, calculating percentage

GLOBAL HAZARDS

- Biome map interpretation, biome distribution, atmospheric cell, isobar interpretation, tropical storm distribution. Location of equatorial and tropical low-pressure systems, rainfall distribution, flood mapping. Plate boundary distribution.
- Climate graph interpretation and construction
- Calculating air pressure, climate graph interpretation, interpreting magnitude, Ritcher scale

• Examples given do not cover entirety of skills covers and re-visited during the topic. Skills are revisited throughout all topics.

• OCR B Geography specification link > <https://ocr.org.uk/Images/207307-specification-accredited-gcse-geography-b-j384.pdf>

PAPER 3 PREPARATION / REVISION

- Satellite imagery usage, GIS (Digimaps), OS map usage
- Graph construction (multiple variations), graph interpretation, GIS usage, Google maps usage, radial graph creation
- Calculating mean, mode, range, interquartile range, ratio, percentage increase/decrease

RESOURCE RELIANCE

- Choropleth mapping of resource usage including water, food, energy satellite interpretation of water usage and availability
- Line graph interpretation and construction, pie chart interpretation, proportional flow charts, Malthus and Boserup theory interpretation
- Calculating usage of resources per sector, bar chart interpretation and calculating usage of energy per sector, percentage increase/decrease per sector of energy, rates of deforestation

URBAN FUTURES

- Choropleth map interpretation e.g. urban population, proportional flow mapping, scale mapping
- Settle hierarchy, composite bar chart construction, histograms, comparing development indicators of contrasting locations, stakeholder source analysis, railway line, population pyramids
- Interpreting multiple sources of datasets and drawing conclusion, city population.
- Analysing dataset of collected information, constructing fieldwork diagrams, assessing quality of fieldwork

SUSTAINING ECOSYSTEMS – TROPICAL RAINFORESTS

- Biome distribution mapping, satellite interpretation of deforestation rates
- Food web and nutrient cycle interpretation, climate graph interpretation and construction. Soil profile, pie chart interpretation/construction.
- Deforestation rates – calculating mean, mode, range.

DYNAMIC DEVELOPMENT

- Country classification mapping, proportional mapping of GNI, HDI and GDP, relief mapping.
- Comparing development rates inc. development indicators of two contrasting location, world wall, Clark-Fisher model, interpreting flow charts, interpreting Rostow's development model,
- Statistical analysis on successfulness of sustainable development goals

START