

Geography Study Checklist

The Earth

- € The Earth's crust
- € Know the plates
- € What is continental drift
- € What are convection currents
- € What is volcanic activity
- € What features are formed by volcanic activity and how? Volcanoes, Volcanic Activity, Mid Atlantic ridge
- € Diagram of a volcano-be able to label this
- € What and where is the Pacific Ring of Fire
- € What is an earthquake?
- € Be able to label the diagram of a volcano
- € Key words-Richter Scale, Seismograph, Aftershock
- € Know the Affects of earthquakes and volcanoes on the earth
- € What are fold mountains and how are they formed
- € Know the two periods of folding that affected Ireland

Rocks

- € Learn the three rock groups and how each is formed
- € Know two rocks from each of the three groups under the following headings
 - Appearance
 - Formation
 - Location in Ireland
 - What can it be used for

Shaping the Earth's Crust

- € Know key definitions- Denudation, Weathering, Erosion
- € What is mechanical weathering- Know example of freeze-thaw
- € What is chemical weathering-Know example The Burren

Geography Study Checklist

- € Know the diagram of a cave in the Burren-Label this
- € How are each of the features formed, Stalactites, stalagmites etc
- € What is unique about the Burren Landscape

Mass Movement

- € What is Mass Movement
- € What are the different types of mass movement and how do they affect the environment
- € How do we as humans influence mass movement

Rivers

- € The three stages of a river
- € The important terms of a river on page 35
- € What happens at the youthful stage
- € Features of the youthful stage- draw/label diagrams
- € What is transportation?
- € What happens at the mature stage of a river
- € Features of the mature stage-draw/label diagrams
- € What is transportation?
- € What happens at the old stage of a river
- € The features of the old stage-draw/label diagrams
- € Why are rivers important? Tourism, transport, electricity etc

The Sea

- € What causes waves
- € What are constructive/destructive waves
- € What affect do they have on the coast
- € Key words- Hydraulic action, abrasion, attrition
- € Know the features formed by erosion of the sea- cliffs, bays & headlands, sea cave, arch & sea stack- Be able to label diagrams of each
- € What is long shore drift?
- € What is deposition?
- € What features are formed when the sea deposits material on our coast

The restless atmosphere

- € Why is the atmosphere important

Geography Study Checklist

- € How does the sun heat the earth
- € How do winds form
- € What is atmospheric pressure-What is the difference between high and low pressure
- € What type of weather do they both bring
- € What is the Coriolis effect
- € What causes ocean currents what effect do they have on the area they flow towards
- € What is an air mass
- € What is a front
- € What is a depression-what type of weather does a depression bring?
- € Fig 3.16 page 80 be able to read a weather map
- € What is an anticyclone-what type of weather does an anticyclone bring?
- € The water cycle- Draw and label
- € Different types of clouds, how are they formed, what type of weather do they each bring
- € Different types of rain, how are they formed what type of weather do they each bring
- € How to measure the weather-temperature, humidity, rain, atmospheric pressure
- € Know the different instruments to measure the weather and describe how they work
- € What is global warming

Climates

- € What is climate
- € How do latitude, distance from the sea, prevailing winds and air masses affect weather
- € What is aspect and altitude and how does it affect weather
- € Know the different world climates Hot, Temperate and Cold
- € For each of these you must know the Temperature, Rainfall, Natural vegetation and Wildlife of each climate
- € What is desertification- effects and solutions

Soils

- € What is soil
- € What are the ingredients of soil
- € How are soils formed
- € What is a soil profile-draw and label Fig 5.3
- € What is leaching and how does it damage soil
- € What are tropical red soils and how are they formed

Geography Study Checklist

Population distribution, diversity and change

- € Know the population cycle
- € Know the factors that population change and how they affect population change
- € What are population pyramids and what do they tell us about the population of a country
- € Why are they useful
- € Know what the population pyramid of a developed and a developing country looks like
- € What is population density
- € What affects the population density of an area
- € What causes high density and low density in an area
- € Know a high density area/country
- € Know a low density area/country
- € Differences in population between the North and South hemispheres

Settlement

- € Settlement patterns-Nucleated, clustered and dispersed
- € How does Altitude, Rivers and the Quality of land affect the growth of settlement
- € Settlement in the netherlands-
- € Settlement classifications-page 252
- € How does the function of a place change over time
- € What affect does communications/transport have on the growth of settlement

Urbanisation

- € What does urbanisation mean
- € Know the different functional zones in a city page 270
- € Know the different types of land use in cities
- € Know the different types of problems that occur with urbanisation
- € What is urban renewal and urban redevelopment
- € Urbanisation in the developing world
- € What is a shanty town
- € Features of cities in the developing world

Primary economic activities

- € What are primary economic activities
- € What are resources
- € What are renewable and non renewable resources

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- € The importance of water
- € What is irrigation
- € What is the OPEC
- € What affect does the production of oil have on a country
- € What are renewable energy sources
- € How are Ireland peatlands exploited
- € The importance of fishing
- € Fishing-why are more fish being caught
- € What is sustainable exploitation
- € Farming- Types of farming
- € Inputs-processes and outputs of farming
- € The advantages and disadvantages of farming in Ireland

Secondary Economic activities

- € What is a secondary economic activity
- € Know the system of inputs processes and outputs-Be able to give examples
- € Know the system of inputs processes and outputs-Be able to give examples
- € Know the different locational factors and how they influence the decision to locate a factory in a particular site
- € Difference between heavy and light industry
- € Give examples of heavy and light industry
- € What is a footloose industry-give examples
- € What is industrial inertia
- € Why has the role of women in the workplace increased in recent years
- € Woman workers in the developing world-Bad pay, working condition, long hours, etc
- € Know the difference between industry in the developing and the developed world
- € The impact of industry on the environment
- € What is acid rain, what damage does it do

Tertiary economic activities

- € What are tertiary activities-Give examples
- € Why is tourism important to Ireland
- € Know the types of attractions that tourists look for- Natural Beauty, Historical sites, recreational/activity, cities, beaches
- € Be able to give examples of each of these in Ireland and abroad
- € How does good communication influence the tourism of an area
- € What are the advantages and disadvantages that tourism brings to an area

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- € What is the impact of tourism on the environment

Economic inequality

- € What is the developed world-Example of countries
- € What is the developing world-Example of countries
- € What is meant by exploitation of poor countries by rich countries-Example to follow-Trade
- € What is meant by world debt?
- € Why is coffee an important product to trade
- € What role do multi national company play in the trade of many products
- € What is aid?
- € How does aid benefit many developing countries
- € What is an NGO
- € What are the factors that can hinder/damage the economic development of a developing country
- € Give examples of poor and rich regions within the EU-why is there inequality here
- € What is fairtrade