

5th Year Geography Revision List

1. Physical Geography

a. Structure of the Earth

- i. Know the internal structure of the Earth (asthenosphere, lithosphere, core, mantle, crust etc)

b. Plate Tectonics

- i. Understand and describe plate tectonics, continental drift theory, subduction, plate boundaries
- ii. Movement of magma in the mantle- convection currents
- iii. Name of major plates and location
- iv. Diverging, converging and conservative plate boundaries (constructive, destructive, sea floor spreading)

c. Volcano's

- i. Understand basic terms and key words associated with volcano's and volcanic activity
- ii. Be able to describe where they occur, how and why they erupt, diagram etc. Also examples
- iii. Predicting volcano's and problems associated with Volcanic eruptions (impact)
- iv. Volcanic activity in IRL case study (Leinster batholith and Antrim Derry plateau)

d. Earthquakes

- i. Understand basic terms and key words associated with earthquakes and seismic activity
- ii. Be able to describe where they occur, how and why they occur, diagram etc. Also examples
- iii. Predicting & measuring earthquakes and problems associated with earthquake damage (impact)

2. Rocks and Landforms

a. Rock Cycle

- i. Understand the process of the rock cycle and how rocks in the rock cycle interact with each other
- ii. Understand how each type of rock is formed and be able to give examples. Be able to reference examples eg (Leinster batholith etc)
- iii. Be able to identify rock types

b. Folding and Faulting

c. Weathering and Mass movement

- i. Understand the processes around both physical and chemical weathering
- ii. Be able to describe examples of physical and chemical weathering, where they occur and how they affect the landscape.

3. Karst Landscapes

a. Processes of Erosion

- i. Understand how Karst landscapes are formed and be able to give examples. What processes are at work?

b. Features

- i. Be able to identify and explain underground and over ground features associated with Karst Landscapes and give examples

c. The Burren- Case Study

4. Regional Geography

a. Types of Regions and Concepts of Regions.

- i. Look at how regions can be classified and be able to classify regions when given examples

b. Core and Periphery

- i. Be able to define core and peripheral areas. Understand the importance of core and periphery areas within Europe and Ireland. Be able to describe problems associated with peripheral areas. Give examples

c. Dynamics of Regions

- i. How do regions work? How does core and periphery exist in Ireland? Give reference to an Irish area you have studied and assess the impact of one economic activity.

5. Brazil

a. Physical Regions

- i. Be able to identify physical regions in Brazil. Be able to understand how climate affects each of these areas as well as the economic activities that occur within them. Be able to draw a simple, accurate sketch map of Brazil.

b. Climate

- i. Understand in detail the importance of Climate (tropical) on primary economic activities in Brazil including the difference in climate over different regions.

c. Economic Activities

- i. Be able to describe three types of economic activities (primary, secondary and tertiary) and where they occur in Brazil. Be able to describe how each has developed over time and list any positive/negatives

d. Human Geography (Population, Culture and Religion)

- i. Be able to understand and describe in detail problems associated with large population growth and why the population is increasing so rapidly. Identify areas where population density is high and the problems associated with this in city areas.
- ii. Describe and explain the overall distribution of population in Brazil.
- iii. Be able to describe and explain the distribution of the different ethnic groups in Brazil.

6. Rivers

a. Characteristics of Rivers and River profiles

- i. Understand the three main profiles of a river and the characteristics associated with each one. What process occurs mainly at each stage. Understand all key words

b. Erosion and features of erosion

- i. Be able to describe in detail the 4 processes of fluvial river erosion
- ii. Be able to name, draw and describe an Irish feature of erosion and the processes involved in its creation

c. Transportation

- i. Understand and describe the four main ways that rivers transport material

d. Deposition and features of deposition

- i. Be able to name, draw and describe an Irish feature of deposition and the processes involved in its creation.
- ii. Understand why rivers deposit material and what this material is called. Be able to outline positive and negative effects of river deposition

e. Human Interaction

- i. Be able to describe how humans have attempted to interfere with the natural processes of rivers and why. Describe using examples some positive and negative aspects of human interaction with rivers

7. Economic Activities

- a. Measuring economic development. (Developed vs Developing, North V South, GNP, GDP, HDI, Unequal world, inequalities within regions)
- b. Levels of economic development looking at France. Regions of industrial decline

8. Glaciation

- a. Causes of the Ice Ages
- b. Processes and features of erosion, transportation and deposition
- c. Glaciation and Ireland