**Key Words Population**

**World Population**

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| 7 Billion | Fluctuation | Birth Rate (per 1000) | Death Rate (per 1000) |
| Population cycle | Demographic transition model | Factor affecting population (FAP) | FAP= Food Supply |
| FAP= War | FAP= Technology | FAP= Health | FAP= Education |
| FAP+ Women in society | Demographer | Pessimistic= 10 billion | Optimistic= 8 billion |

**Population Distribution**

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| Population Density (Km2) | Population Distribution | Reasons for density(RFD) | RFD social and historical |
| RFD Resources | FRD Physical/ terrain | EX Soil (Podzol vs Brown) | Climate (rainfall & temperatures |
| Drainage | Relief (Shape of the land) | Resource (minerals= zinc/ gold) | Vegetation |
|  |  | **Case Study Brazil** | Amazon |
| Hunter gathers | Colonialists | plantations | Industry |
| Migration to the coast | Migration to the interior | exploitation | Amazon River |
| **Case Study: West Ireland** | Before famine= increasing density | Land subdivided | Food supply increase |
| Famine- 1845-1852 | Blight & starvationmigration | After famine | Oldest son inherited land |
| Marriage age increase | Rural depopulation | Brain drain |  |
| **Case Study Dublin** | Power (government) | Financial and commercial capital | Centre of education= educated workforce |
| Flat land= Transport links | Nodal point | Good farming |  Favourable climate |
| **Case Study Italy** | Uneven distribution (North vs South) | North Italy= flat, good climate & soils, good transport, industry/ minerals | North Italy= High pop density |
| **South Italy= low pop density** | S. Italy. Too hot/dry, poor soil, mountainous, lack of communication, poor primary, secondary activities |  |  |

**Population Structure**

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| Population pyramid | Age/sex | Bottom=Birth Rate | Middle= Death rate |
| Top= life expectancy | Narrow base= low birth rates | Wide base= high birth rates | Narrow top= Low life expectancy |
| Wide top=High life expectancy | Steeped middle= high death rate | Even Middle= Low death rates |  |
| **Developed Country (Germany)** | Low birth rates= Women career/ family planning/ low infant mortality | Low death rate= high standard of living/ excellent heath and sanitation | High life expectancy= High living standards/ access to health & services for elderly |
| **Underdeveloped (Ethopia)** | High birth rates= women have traditional role/ lack of family planning/ high infant mortality/ children look after parents | High death rate= Lack of clean water/ poor health services/ malnutrition. Low living standards | Low life expectancy= Care not available to elderly/ people work in harsh conditions/ lack of sanitation |
| **Why do we need population pryamids** | Number of Schools/ hospitals/ carers needed | Tax income/ contribute to workforce. Rely on migrants. | Dependency ration |

**Population Density**

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| High Pop Density | Overcrowding | Lack of clean water/ sanitation/ pollution | Lack of open Space |
| Low pop densities | Low marriage rates | Abandonment of agricultural land | Political/ economic isolation |
| **Cast study High Density (Calcutta)** | Rural to urban migration  | River Hoogly | Shanty towns/ bustees |
| Pavement dwellers | Poor services | No recreational activities | Lack of sanitationLack of sewage pipes |
| Noise pollution | Traffic jams | 14million | 35000 per sq km |
| **Case study low density (West Ireland)**  | Emigration (rural to urban Migration) | Low marriage rates= decrease in birth rate | Lack of employment opportunities= poor industry |
| Abandonment of agricultural land | Farming= unattractive career/farmers older/ paid less | Distance from wealthy markets | Political economic isolation=lack of infrastructure= no investment |

**Migration**

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| Migrant | Internal migration | International migration | Forced migration |
| **Push Factors** | Lack of Jobs/ Lack of services/ lack of safety | Crime/ crop failure/ flooding/ drought | Poverty/ war/ drought |
| **Pull Factors** | High employment/ wealth/ better services | Good climate/ safer/ political isolation | More fertile land/ lower risks of natural disaster |
| **Impact of the area migrants leave** | Marriage rates drop/ no skilled workforce | Facilities close/ difficult to field Gaa teams | Difficult to attract industry/ farmers getting older |
| **Impact of the area migrants go to** | Pressure of services | Increase in number of houses/ house prices increase | Transport and other services need to improve |
| **Organised migration (Plantation of Ulster)** | King James/ Protestant/ Good farmland to planters/ Language Irish to English | Londonderry/ square/ diamond/ New religion= Troubles | Improved farming techniques/ new crops/ grain exports |
| **European colonisation of S. America** | Christopher Columbus/ Treaty of Tordesilas | Conquistadores= Gold/ Incas & Aztecs | Plantations/ Missionaries/Religion |
| Language | Settlements coast | New diseases | Slavery |