

Year 7 Fundamentals:

Knowledge	Skills
Unit 1:	Geographical Skills
<ul style="list-style-type: none"> • What human geography is • What physical geography includes • What environmental geography includes • The functions of maps • The continents of the world • The main features of the British Isles • how scales are used on maps • 	<ul style="list-style-type: none"> • Sketch maps • Label maps • Present information in standard form • Read 4 figure grid references • Read 6 figure grid references • Interpret maps • Identify features on a map • Make inferences from a 2D map
Unit 2	Rivers
<ul style="list-style-type: none"> • The long profile of a river • The cross profiles of rivers • The processes of erosion • The process of transportation • The process of deposition • How rapids and waterfalls form • How meanders and oxbow lakes form • Causes of flooding • How to manage a flood 	<ul style="list-style-type: none"> • Draw a cross profile of a meander • Draw a waterfall and rapids • Annotate diagrams of meanders and oxbow lakes • Recall case study details of HIC and LIC floods and their management •
Unit 3	Coasts
<ul style="list-style-type: none"> • The different types of waves and tides • The processes of erosion, transportation and deposition • How bays and headlands are formed • The formation of wave cut platforms and stacks • Hard engineering management options • Soft engineering management options • The issues faced on the Holderness coast 	<ul style="list-style-type: none"> • Identify constructive and destructive waves • Explain the different types of tides • Draw annotated diagrams to explain the formation of caves, stacks, arches, stumps and wave cut platforms • Draw a diagram to show longshore drift • Identify and assess coastal management options
Unit 4	Ecosystems
<ul style="list-style-type: none"> • The biomes and major ecosystems of the world • What a food chain and web are and the impacts of changes to these 	<ul style="list-style-type: none"> • Locate features on a map • Interpret a key or legend • Describe location with reference to human and physical geography

<ul style="list-style-type: none"> • Where tropical rainforests are located, why and their characteristics • Causes of deforestation • The location and features of deserts • Adaptations to the desert biome • The characteristics of polar environments • Features and location of Antarctica 	<ul style="list-style-type: none"> • Define site and situation • Explain adaptations to desert and tropical rainforests with examples
Unit 5	Population
<ul style="list-style-type: none"> • Key terminology: birth rate, death rate, infant mortality • Where the major cities of the world are • The populations of the largest countries of the world • Factors affecting life expectancy • How to define population density • How to describe distribution • The pressures of overpopulation • Population management techniques • How to read a population pyramid 	<ul style="list-style-type: none"> • Draw a basic population pyramid and interpret it • Identify patterns on maps • Define population density • Explain a range of factors affecting life expectancy • Identify major population centres on a map of the world with reference to continents and countries
Unit 6	Weather
<ul style="list-style-type: none"> • What weather is • What climate is • What air masses are • The types of precipitation • Patterns of weather in the UK • What synoptic charts are • Climate patterns on a global scale • Characteristics of a desert • What a microclimate is 	<ul style="list-style-type: none"> • Define weather and climate • Explain the characteristics of air masses and the associated weather • Draw diagrams to explain the processes of precipitation • Pick out weather patterns • Explain information from a synoptic chart • Explain the term microclimate • Apply knowledge to a local scale



Cecil Jones Academy Geography Fundamentals Map