

Topic Checklist: Resource Reliance

Topic 8: Resource Reliance	Knowledge Audit		
	☹	☺	☺
Will we run out of natural resources?			
What are the factors leading to demand outstripping supply of food, energy and water?			
Explain different ways that mechanisation of farming and commercial fishing has modified environments and ecosystems?			
Explain different ways that deforestation and mining has modified environments and ecosystems?			
Explain different ways reservoirs and water transfer schemes are modifying environments?			
Can we feed nine billion people by 2050?			
Define 'food security' and explain the different human and physical factors that influences it?			
Describe the world pattern of accessing food using different illustrations, such as hunger index and average daily calorie consumption.			
Investigate the differences between Malthusian and Boserupian theories about the relationship between population and food supply.			
How can countries ensure their food security?			
Investigate statistics relating to food security in the UK.			
Evaluate one successful attempt in helping to achieve food security at a local scale. For example, food banks. Urban gardens and allotments.			
Assess the effectiveness of one past and one present attempt to achieve food security at a national scale. For example, global food trade, GM crops and food production methods.			
Explore the environmental, economic and social attempts to achieve food security, in relation to ethical consumerism, food production, technologies and 'bottom up' approaches.			

Topic 3: **DISTINCTIVE LANDSCAPES - OUR NATURAL WORLD**

Knowledge audit			
			
What makes a landscape distinctive?			
What are the differences between a rural & urban landscape?			
Where are UK upland, lowland & glaciated landscapes?			
What makes these landscapes distinctive, (geology, climate & human activity)?			
What influences the landscape of the UK - GEOMORPHIC PROCESSES			
How weathering shapes the landscape (mechanical, biological & chemical).			
How erosion shapes the landscape (Abrasion, hydraulic action, attrition & solution)			
How mass movement shapes the landscape (Sliding & slumping)			
COASTS; The West Norfolk Coastline, Dunes, Cliffs and Management.			
How geomorphic processes form coastal landforms including cliff retreat, headlands, cave, arch, stack, dunes & spit.			
How these processes are influenced by geology & climate			
How human activity & management also influence the landscape			
RIVER BASIN: The River Tees			
How geomorphic processes form river landforms including waterfall, gorge, v-shaped valley, floodplain, levee, meander & oxbow lake			
How these processes are influenced by geology & climate			
How human activity & management also influence the landscape			

Topic 5: URBAN FUTURES - PEOPLE & SOCIETY

				Knowledge audit		
						
How is the global pattern of urbanisation changing?						
The global pattern of urban growth.						
The urban trends across the world, such as in ACs, EDCs & LIDCs.						
Megacities - examples and characteristics of these cities.						
World cities - examples and characteristics of these cities.						
What does rapid urbanisation mean for cities?						
Causes of rapid urbanisation in LIDCs and EDCs.						
Consequences of rapid urbanisation in LIDCs and EDCs.						
Causes and consequences of sub-urbanisation in ACs.						
Causes and consequences of counter-urbanisation in ACs.						
Causes and consequences of re-urbanisation in ACs.						
What is life like in Birmingham, UK, and how can it become more sustainable?						
Birmingham's location and its importance across different scales.						
Describe the ways of life in the city of Birmingham.						
How migration is changing the character of Birmingham.						
The challenges and problems that affect Birmingham.						
Initiatives to make Birmingham more sustainable.						
What is life like in Rio de Janeiro, Brazil and how can it become more sustainable?						
Rio de Janeiro location and its importance across different scales.						
Describe the ways of life in the city of Rio de Janeiro.						
How migration is changing the character of Rio de Janeiro.						
The challenges and problems that affect Rio de Janeiro.						
Initiatives to make Rio de Janeiro more sustainable.						