**Topic 7: People and the biosphere**

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| **You should know**  | **R** | **A** | **G** |
| **Enquiry question: Why is the biosphere so important to human wellbeing and how do humans use and modify it to obtain resources?** |  |  |  |
| How the global distribution and characteristics of major biomes(tropical, temperate and boreal forests, tropical and temperategrasslands, deserts and tundra) are influenced by climate(temperature, precipitation, sunshine hours).. |  |  |  |
| Local factors (altitude, rock and soil type, drainage) can alterthe biome distribution locally and how the biotic (flora, fauna)and abiotic (soils, rock, water, atmosphere) components ofbiomes interact. |  |  |  |
| How the biosphere provides resources for indigenous and localpeople (food, medicine, building materials and fuel resources)but is also increasingly exploited commercially for energy,water and mineral resources |  |  |  |
| How the biosphere regulates the composition of theatmosphere, maintains soil health and regulates water withinthe hydrological cycle, providing globally important services |  |  |  |
| The global and regional trends increasing demand for food,energy and water resources (population growth, risingaffluence, urbanisation and industrialisation) and theories onthe relationships between population and resources (Malthusand Boserup) |  |  |  |