

# LEARNING JOURNEY GEOGRAPHY



## Water and Carbon Cycles

### Year 12 – Physical Topic 2

This is your second topic of the **physical** specification of the AQA course. This topic will allow you to build on knowledge from Coastal Landscapes and Systems by recapping key concepts relating to **systems, inputs, outputs and stores**. You will begin to consider the impact that **natural and human factors** pose on water and carbon cycles, explore this affects humans and study how we can **mitigate and adapt** to changes that take place. There are numerous **synoptic links** between this topic and others within your AQA specification which will allow you to create connections between your areas of study so far.



**VOCABULARY:** system, input, output, flow, store, hydrological cycle, infiltration, through flow, groundwater flow, cryosphere, lithosphere, hydrosphere, atmosphere, drainage basin, ice sheet, ice cap, permafrost, saturated, phase, fusion, latent heat, sublimation, surface tension, water balance, hydrograph, flood hydrograph, water budget, urbanisation, agriculture, soil drainage, land drainage, water abstraction, ITCZ, combustion, photosynthesis, methanogenesis, subduction, carbon budget