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| **What will we be learning?**GCSE Paper 1 – The Living World | **Why this? Why now?**This is the start of their Geography GCSE journey and so we have started with a topic that we have learnt at KS3, to build upon previously learnt knowledge as well as to build the confidence at the start of GCSE. This also links to their last topic in Y9 on Climate Change and Weather Hazards, that impacts our Ecosystems. | **Key Words:**EcosystemBiomeBioticAbioticFood ChainFood WebsFloraFaunaAdaptationsClimateTemperaturePrecipitationSustainableDesertificationDeforestationChallenges OpportunitiesDevelopmentHIC/LIC |
| **What will we learn?*** Ecosystems exist at a range of scales and involve the interaction between biotic and abiotic components.
* Tropical rainforest ecosystems have a range of distinctive characteristics.
* Deforestation has economic and environmental impacts. Tropical rainforests need to be managed to be sustainable.
* Hot desert ecosystems have a range of distinctive characteristics.
* Development of hot desert environments creates opportunities and challenges.
* Areas on the fringe of hot deserts are at risk of desertification.
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| **What opportunities are there for wider study?**Careers:* Ecologist
* Environmentalist

Further Study:There are many detailed documentaries out there such as the Planet Earth series by David Attenborough (available on iplayer).BBC News always has up to date current affairs on the environment/ecosystems: <https://www.bbc.co.uk/news/science_and_environment>  |
| **How will I be assessed?**Mid unit assessment and end of unit assessment consisting of past paper GCSE exam questions. |