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| **What will we be learning?**Ecosystems - Interdependence | **Why this? Why now?**Previous Learning  CellsVariationFuture Learning  KS3Genes GCSEEcologyA-LEVELBiodiversityEnquiry Processes Draw conclusions, Justify opinions | **Key Words:****Food web**: Shows how food chains in an ecosystem are linked.**Food chain**: Part of a food web, starting with a producer, ending with a top predator.**Ecosystem**: The living things in a given area and their non-living environment.**Environment**: The surrounding air, water and soil where an organism lives.**Population:** Group of the same species living in an area.**Producer**: Green plant or algae that makes its own food using sunlight.**Consumer**: Animal that eats other animals or plants.**Decomposer**: Organism that breaks down dead plant and animal material so nutrients can be recycled back to the soil or water. |
| **What will we learn?**• Recognise that food chains represent a flow of biomass• Recall a Predator/Prey relationship• Recognise the role of an insect pollinator• Construct a food chain• Recognise impact of environmental change• To know the impact of toxic substances in a food chain• Interpret graphs of predator prey relationship• Explain why the number of organisms changes at each trophic level• Explain the importance of insect pollinators• Evaluate predator prey relationship graphs• Evaluate problems to human food supplies• Evaluate changes in a population of organisms**Misconceptions in this topic*** Arrows in food chains show flow of Biomass not energy.
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| **What opportunities are there for wider study?**Conservation, wildlife documentary making, forestry, environmental sciences, teaching, waste management, ecological impact assessment, local and national organisations and companies protecting nature reserves and areas of conservation, gardeners, horticulture, farmingSTE(A)M <https://highcliffe.sharepoint.com/sites/LearnSTEM> |
| **How will I be assessed?**End of Topic Assessment |