March 2025
11+ Biology

Date	Topic	National Curriculum Link	Session objectives	Ideas for home
6th March	Food chains and food webs	• the interdependence of organisms in an ecosystem, including food webs and insect pollinated crops	• Define key terms when describing food chains/webs • Describe how energy is transferred through a food web • Identify the different producers and consumers in the food chain/web	• Research a chosen ecosystem to find out the different organisms that live there and create a food web showing how they are connected together
13th March	Factors affecting food chains and webs	• the interdependence of organisms in an ecosystem, including food webs and insect pollinated crops • how organisms affect, and are affected by, their environment, including the accumulation of toxic materials	• Produce food chains and food webs for different ecosystems • Explain the effect on a food web if various factors changed • Compare the use of pyramids of number and pyramids of biomoass	
20th March	Habitats and ecosystems	• the interdependence of organisms in an ecosystem, including food webs and insect pollinated crops	• Describe the different between a habitat and an ecosystem • Identify the key features that make up an ecosystem • Explore how ecosystems can change	• Make a 3d model of a chosen habitat or ecosystem
27th March	Animal adaptations	• the interdependence of organisms in an ecosystem, including food webs and insect pollinated crops	• Explain how different plants and animals are adapted to live in their ecosystem	• Research a plant or animal and create a poster about it's adaptations
3rd April	Ecological sampling	• the interdependence of organisms in an ecosystem, including food webs and insect pollinated crops	• Explain why sampling is important • Carry out different sampling techniques around the local area	• Represent the data that has been collected in a graph (e.g. a bar chart)
10th April	Ecological sampling	• the interdependence of organisms in an ecosystem, including food webs and insect pollinated crops	• Carry out different sampling techniques around the local area • Choose the most appropriate method of representing data	