

Native Species Ecosystems

An ecosystem is a community of interacting living things (plants, animals and organisms) and their physical environment (rocks, rivers, weather, soil etc.) .

Draw a native ecosystem that exists in the UK. For example, a lake or woodland.

Ensure that you include both biotic (living) and abiotic (non-living) aspects and draw lines indicating the interactions between them. E.g. predator/prey, shelter, food, competition.

Model 1: An intact, working ecosystem

Once you have created this ecosystem, think about an environmental condition that will impact it.

Some environmental conditions that can impact an ecosystem include:

- Change of climate
- Agriculture
- Development of land
- Flooding

Pick one environmental factor and think about how it might impact your ecosystem. Describe it's impact in the box below.

Model 2: An environmental condition that will impact on the ecosystem.

Re-draw your ecosystem with this environmental factor applied. Be sure to include how it will impact each of the biotic and abiotic factors you included in Model 1.

Model 3: Ecosystem affected by an environmental condition.

Now that the ecosystem has had an environmental impact pressure applied to it, how could people manage this ecosystem to ensure the survival of it's species and their interactions?

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Think about how other environmental factors might impact it differently.