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|   |  Lesson title |  Success criteria |  check |
| Year 7: Biology – Ecology | Who eats who? | I can say who eats who in a food chain & food web. |   |
| I can draw a food chain & a food web from information. |   |
| I can use the key words correctly in answers. |   |
| I can explain what happens to the numbers of one species depending on what happens to other species in the food web. |   |
| Adaptation and survival | I can correctly identify adaptations that animals & plants have that help them to survive. |   |
| I can say how these adaptations aid the survival of the animal/plant. |   |
| I can link these ideas to long term survival of the species & can suggest how the species may have changed over time. (Link to natural selection & evolution).  |   |
| Energy through an ecosystem | I can describe what happens to the light energy from Sun when it reaches a producer.  |   |
| I can describe what happens to the small percentage of the Sun’s energy absorbed by the plant.  |   |
| I can calculate the percentage efficiency of energy transfer at different stages of a food chain.  |   |
| I can explain how nearly all living things are ultimately dependent on energy from the Sun for survival.  |  |
| Biodiversity | I can define biodiversity. |   |
| I can describe threats to biodiversity, and explain how humans can reduce the loss of biodiversity. |   |
| I can describe causes of extinction. |   |
| Why are pesticides bad? | I can draw & label pyramids of numbers for a food chain. |   |
| I can explain the impact pesticides can have on food security. |   |
| I can explain what bioaccumulation is. |   |
| I can explain what effect it will have on species in a given food web. |   |
| Techniques used in ecology | I describe different sampling techniques that are used in Biology. |   |

**7B3 Ecology**