Science Task

Objective: To understand that all food chains begin with a producer and end with a carnivore.

Task 1

Watch the video on the link below and read the information about how food chains are created.

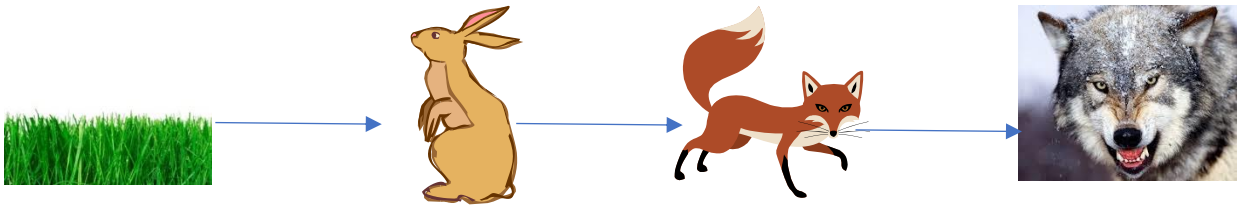
https://www.bbc.co.uk/bitesize/topics/zbnnb9q/articles/zwbtxsg

After completing the activity above, follow the next link to test your knowledge about different food chains in a variety of environments.

https://www.bbc.co.uk/bitesize/topics/zbnnb9q

Task 2

What happens if a food chain is broken? Read the information below to understand the consequences.



My food chain starts with grass. Grass is a producer. It is eaten by the rabbit who is a consumer and a herbivore. This means it only eats plants. A rabbit is prey for a fox. The fox is a carnivore which means it only eats meat. It is also a predator. The fox is hunted by the wolf who is also a predator and a carnivore. The wolf is at the top of this food chain.

If the fox was removed from the food chain the rabbit population would multiply and there would be too many rabbits. The increased rabbit population would eat all the grass. Eventually, there would be no grass left and the rabbits would die because they would starve. Foxes are not a wolf's only food. Therefore, they would still survive, although there might not be so many due to the decrease in food supply.

Your Task

Create your own food chain and explain the consequences for what would happen if you removed one of the components (use the example above as a guide).

To be successful

- Draw a clear diagram showing the correct flow of the food chain.
- Use scientific vocabulary in my labelling and explanations (producer, consumer, herbivore, carnivore, omnivore, prey, predator).
- Identify the positives and negatives of removing a component from the chain.