

# Home Learning – Year 6

## Science



### Adaptation advantages and disadvantages

Look at the [picture of a giraffe](#) having a drink. **Why is this position dangerous for them?** Its height is both an advantage and disadvantage.

Penguins have evolved to keep warm in very cold conditions, but they can get overheated if the Sun is shining. **How do they keep cool?**

Animals & plants are still evolving, adapting to changes in their environment, as the climate in the world is changing.

**How might humans evolve in the future? What might cause the adaptations?** Much warmer global temperatures? Sea levels rising?

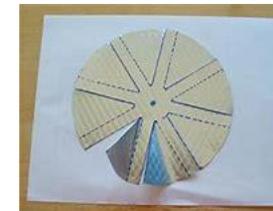
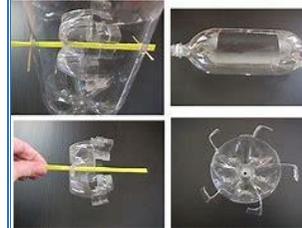
What features would you like to have? Maybe the ability to fly or to hold your breath under water for long periods of time.

**Now predict the human of the future** – produce an annotated drawing, explaining what the features are and why you think they will evolve.

## Design Technology



Can you [design and make a moving Waterwheel](#)? You could use items from around your house, such as recycling and craft.



## Science

### What do fossils tell us about how things have changed?

First spend some time watching these videos, reading the information and taking the quiz.



[How are fossils made? - BBC Bitesize](#)

[What can we learn from fossils? - BBC Bitesize](#)

### Activities:

[How fossils are formed](#) – order the six stages of fossilisation

[Draw Your Own Fossil Creature](#)



## RE

### How and why do people care for the environment?

You have already looked at some reasons behind how and why people care for the environment, now you will research a religious perspective.

### What does Christianity teach about the environment?

Most Christians believe that God gave human beings a special responsibility within creation to cultivate it, guard it and use it wisely. This is called **stewardship**. Spend some time **researching** this and create a poster, leaflet or PowerPoint to show your understanding.

