

Adaptations

How do adaptations help animals survive?

Year 10-11

Learning Outcomes:

At the end of the session:

- ✓ **All students** will understand how animal adaptations link to their habitat and lifestyle
- ✓ **Most students** understand how adaptations help maintain homeostasis
- ✓ **Some students** understand how different adaptations work together to increase an animal's ability to survive

Session Outline:

The session begins by explaining structural, behavioral, and physiological adaptations, followed by a quick review of predator and prey adaptations. It then focuses on how adaptations maintain homeostasis and why this is important, using the enzyme lock-and-key model. Adaptations for surviving in hot or cold habitats are further explored using biofacts and costumes to reinforce key points.



Curriculum Links

Biology

AQA: 4.7.1.4
Adaptations; 4.5.1
Homeostasis

OCR: B4.1
Ecosystems

Edexcel: Topic 7:
7.10B Animal
coordination, control
and homeostasis