

Preparing for your visit to the National Aquarium

Animals you will be meeting

During your class's visit to the National Aquarium you will be meeting a host of unusual creatures that display a range of homeostatic strategies. However, there are a few animals that we will be focusing on.

Little Penguin- One of the main animals covered, who demonstrates homeothermy displaying insulation, counter current heat exchange, vasodilation, vasoconstriction, panting, and behavioural adaptations, to name a few.

Kiwi- This bird has a physiology like a mammal.

Yellow Eyed Mullet- This fish demonstrates ectothermy and poikilothermy during a live demonstration.

Blue Tongue Skink- These reptiles demonstrate poikilothermy in a true 'hands on' experience!

Sevengill Shark- This fascinating fish demonstrates counter current heat exchange.

What we will be covering

We have designed this LEOTC Programme around the A.S 3.4 *Demonstrate an understanding of how an animal maintains a stable internal environment*. Therefore, our programme will be covering the physiology of animals and how this physiology is regulated and maintained, based off first-hand experience and practical experiments.

We are focusing on thermoregulation for this unit. This is because our wide range of animals and exhibits best suit this aspect of homeostasis. However, if you would like osmoregulation added as a secondary learning area, please inform us.

For More Information

For safety information, please refer to our RAMS form, which can be found on our website www.nationalaquarium.co.nz.

For any other enquiries, please contact us on 06-834 1404, or email carol@nationalaquarium.co.nz