



INCORPORATING



Helping people to care for our ocean

uShaka Sea World Education Courses

CLASSIFICATION



Introduction to this Course

Classification is designed to look at the Invertebrate phyla and their body plans; body symmetry and gut structure, and how this contributes to their grouping. This course uses interactive teaching methods such as a dissection and touch specimens to excite learners through a variety of senses, and also includes an Aquarium guiding and Dolphin show. All material is linked to the CAPS curriculum and interlinks with conservation messages.

Conservation messages:

- Diversity of reef ecosystems - ecotourism
- Oceans are essential for life – they provide food, oxygen and regulate climate
- Coral reefs are under threat due to climate change and ocean acidification
- Over fishing is having an impact on species – make sustainable choices
- Plastics don't litter – people do
- Care enough for us and the ocean
- Litter goes in the bin

General Programme:

9h00 – 9h10	Introduction
9h10 – 9h50	Presentation
9h50 – 10h00	Tea
10h00 – 11h20	Aquarium guiding
11h20 – 12h10	Dolphin show
12h10 – 12h20	Body plans
12h20 – 12h35	Touch tables
12h35 – 12h50	Wet lab and dissection
12h50 – 13h00	Closing and evaluation



Lesson plan

Subject: Life Science

Grade: 11

Duration: 4 Hours

Strand: Diversity Change & Continuity

Topic: Biodiversity of invertebrates

Content: Body plans, grouping and body symmetry

Tissue layer development, coelom and gut structure

Phylum: Porifera; Platyhelminthes; Annelida; Arthropoda; Chordata

Activities:

Presentation

Body plans

Touch tables

Wet lab and dissection