



INCORPORATING



Helping people to care for our ocean

uShaka Sea World Education Courses

POPULATION STUDIES



Introduction to this Course

Population studies is designed to give an overview of population dynamics including concepts and practical applications for fisheries management. This course uses interactive teaching methods 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:

- Overfishing & how we impact populations
- No fish, No food
- SASSI
- Sustainable choices – be the change
- Plastics don't litter – people do
- Care enough for us and the ocean
- Litter goes in the bin

General Programme:

9h00 – 9h10	Introduction
9h10 – 9h40	Presentation
9h40 – 9h45	Abasim
9h45 – 10h00	Tea
10h00 – 11h20	Aquarium guiding
11h20 – 12h10	Dolphin show
12h10 – 12h25	Sample method 1
12h25 – 12h40	Sample method 2
12h40 – 12h50	Wet lab



12h52-13h00

Closing and evaluation

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Lesson plan

Subject: Life Science

Grade: 11

Duration: 4 Hours

Strand: Environmental Studies

Topic: Population studies

Content: Community structure & population size
Intraspecific competition
Social organisation
Predation, Competition
Parasitism; Mutualism and commensalism
Succession

Activities:

Presentation

Sample method 1 – Make re-capture

Sample method 2 – Quadrat sampling

Abasim computer modelling

Wet lab