

INTAKA ISLAND EDUCATION ACTIVITIES

GRADE 10

PLANT ADAPTATIONS

Topic:	Plants, hydrophytes, mesophytes and xerophytes
Activity:	Learners will be introduced to plants on Intaka Island that have adapted to survive in their specific habitat. They will have to record all the adaptations that they can observe plus provide the function thereof.



ECOSYSTEMS

Topic:	Importance of Ecosystems; Biotic and abiotic factors; Cells of Intaka Island
Activity:	Learners are taken on a tour of the island where they identify and learn about the biotic and abiotic factors that make up Intaka Island's ecosystem, the four cells responsible for water purification through the wetland, and the importance of this wetland ecosystem.



SOIL COMPOSITION

Topic:	Soil sampling; soil composition
Activity:	Learners investigate the different components of soil in a soil sample. They will use the data gathered to answer questions and compose a graph.



WATER QUALITY

Topic:	Water Quality: Samples; Indicator species; nitrate concentration; pH level
Activity:	Learners are provided with water samples from Intaka Island's four different cells, which they will use to identify organisms, as well as determine nitrate concentration and pH level. They will use the data gathered to answer various questions.



HUMAN IMPACT ON THE ENVIRONMENT

Topic:	Human Impact on Intaka Island
Activity:	Learners debate human activity factors that affect life on the island as well as the actions that can be implemented to manage human impact.

