

A DAY IN THE LIFE OF A CONSULTING ENGINEER



CESA Job Shadow Initiative

IMMERSIVE EXPERIENCE

PRDW's Job Shadow Programme offered high-performing learners direct exposure to civil engineering within the ports and coastal industry across two days!

By exploring diverse engineering around our oceans, the aim is to inspire future career choices and foster an appreciation for the infrastructure facilitating global trade and water health.

Learners participated in technical presentations from industry experts, practical design challenges involving breakwaters and jetties, and a guided tour of the V&A Waterfront to witness real-world engineering and large-scale Dolos units firsthand.



GREATNESS ALL AROUND

- Edgemead High
- Elkanah House High
- De Kuilen High
- Durbanville Hoerskool
- Parklands College

FUTURE ENGINEERS

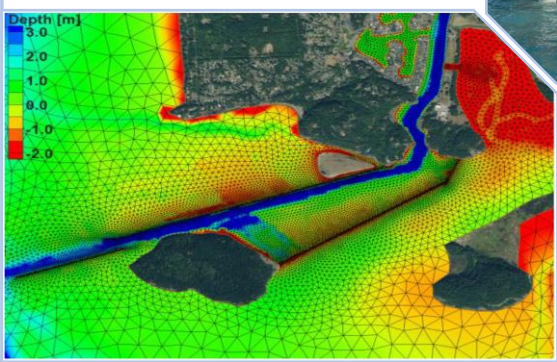


Discover how marine structures protect coastlines and support ports through innovative engineering design.

See how coastal engineering creates safer, more resilient coastlines and ports for future generations.



Discover how advanced modelling predicts waves, currents and storms to improve coastal and port design.



FIELD EXPERIENCE & CAREER INSIGHTS

PRACTICAL ENGINEERING

Learners engaged in two practicals: a **Breakwater Design** challenge using miniature units to protect boats from waves while managing costs, and a **Jetty Construction** activity where they built and tested marshmallow-and-stick models based on their own initial sketches.



Learners took a guided history walking tour of the V&A Waterfront to study sluice gates, breakwater units, desalination plants, and jetty construction. A highlight was visiting Breakwater Blvd to see and touch 8-10 tonne Dolos armour units firsthand!

