A day in the life of a Consulting Engineer

CESA Job Shadow Day 2015   Cape Town Office   ARUP

Feedback from kids - "Please can you host more kids and events"; "We enjoyed the presentations"; "We now have insight into what engineering is about"; "We didn't know you get so many types of engineering"

19 students! Six schools! Grades 10 - 12!

I hope we can shop at the waterfront

I wonder what lunch we're getting.

...one of the main aspects to take into account in the Design...

Site visit to the award-winning Allan Gray building

Students see the transformation of a dilapidated grain silo into a world-class contemporary art museum!

Students experience first-hand how the Atlantic ocean is used to cool the award winning No.1 Silo building!

From paper to steel, the students get a feel for how engineers earn their meal!

Students get a feel for the exciting field of renewable energy with solar and wind farms in South Africa

Tower building challenge - kids hone their skills in structural engineering

The students arrived bright and early at the Arup offices and received a warm welcome and quick introduction into what the CESA Job Shadow Day is all about. They viewed a short interactive video highlighting the exciting aspects of the engineering world and the Arup culture.

There were six presentations throughout the day covering the following areas:
Sustainability, water, transport planning, mechanical engineering, renewable energy and structural engineering.

They were dived into four groups to participated in two interactive problem solving activities. Throughout the day the students were given the opportunity to ask questions and interact with staff members. They were taken on two site visits to gain exposure to structural and mechanical design work.

At the end of an action packed day they were sent home with Arup gift packs, information brochures, bursar forms and an open invitation to come back to visit Arup offices at any time.

Calm before the students storm!

Students hard at work brainstorming their challenge!

Student taking inspiration from the Cape Town harbour to build the strongest floatation device!

the end

Brain food boxes