

A DAY IN THE LIFE OF A

2017 CONSTRUCT TESTING

THE FINAL TESTING was conducted by placing bricks onto the bridges until they reached failure. While the judges discussed whom the winner would be the students enjoyed a meal and cold drink. **GROUP 4 WERE ANNOUNCED AS THE WINNERS.** The day concluded by thanking everyone involved in making this day possible and students were transported back to school.

ENGINEERING

The **CESA YPF INITIATIVE**, "A Day in the Life of a Consulting Engineer" was deemed a great success. The initiative gave the students a more in-depth approach to what consulting engineering is all about and how to plan to study to be a Consulting Engineer in the near future. The questions and answer sessions held with the students during the day gave a sense that the seed had been planted within these students to becoming Consulting Engineers and working hard to being the best engineer they can be.

PRESENTATION

The day began with a **PRESENTATION**, at **PRIMROSE TECHNICAL HIGH SCHOOL**, which covered a broad overview of different types Engineering, highlighting Civil Engineering and then an in-depth focus on the Consulting Civil Engineering Field. The **PRESENTATION WAS DELIVERED TO ±100 GRADE 10 TO 12 LEARNERS** ending with an interactive question and answer

DESIGN

The **STUDENTS WERE INTRODUCED** to staff members of **INFRACONSULT ENGINEERING** and were briefly introduced to how the company functions and operates. The group of students were divided into groups of 4 where each group were handed a **BRIDGE BUILDING ASSIGNMENT** which would resemble something a Consulting Engineer would encounter on an everyday basis. The approach on this assignment was to show the students what a day in the life of a consulting engineer really is. The students were given time at Infraconsult Office to design their bridges knowing their limitations and resources available.

The students were given time **ON SITE** to **CONSTRUCT/BUILD THEIR DESIGNS** before testing of the bridges would take place. It was noticed that the students were changing their initial design upon doing some trial tests. **THIS EXPERIENCE WAS INSIGHTFUL** for the students showing them that **CHALLENGES AND CHANGES CAN BE EXPECTED DURING THE CONSTRUCTION PHASE OF A PROJECT.** The bridge that looked the most aesthetically pleasing and could hold the most load would take home a small prize

