

Hard Work
Great Effort
Extraordinary Results



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Grade 12 Physics

ELECTRIC
POWERED
GO-KART



WESC

The Wadi Environmental Science Center gave the Canadian International School of Egypt's grade 12 Physics class a great opportunity to test their skills, working habits, and have a little fun by supplying a working place for an environmentally friendly Go-Kart project. WESC is non-profit farming and produce organization which grows produce and livestock for its suppliers. With their help and the good work of the students, an electric powered Go-Kart was built which meets the standards and criteria for a vehicle which doesn't harm the environment.

World Environment Day

The World Environment Day which is going to be held on Saturday the third of June in Zamalek will be a place where everyone who has done this project can come together and meet. It will be a great learning environment where students can show each other what they did and how their car works. Students can compare cars to see which process would be the best for future projects.



The Build

The building process was one that was slightly difficult. Because the students didn't speak Arabic very well, with the exception of two students, communicating with the workers at WESC was difficult. Things usually took a little longer than were planned and some things couldn't be done the way the students wanted them to be. Although, the students came together well, got through their problems and completed the Go-Kart with no time to spare. The students are no doubt proud of their work and now have the skills to do similar or more complex projects. This was a great experience for them.

The Parts

All the parts for this project were obtained separately by the students themselves. In some cases it was quite easy, where the students would just go to a shop in either Wekelit El Belah, Harefein, or Eisbid Shelaby and find the pieces they needed ready made, but in other times it was more difficult and time consuming. For parts like the Axle, brake caliper and brake disk, the students had to go somewhere to get them fabricated. This took a lot of time but in the end made the car come out great. WESC supplied all the steel for the chassis at a cheap price which helped the students a lot with their budget.

With all the parts obtained the students remained below budget which was quite surprising. Parts like the engine and batteries cost a lot of money and at some points the students wondered if they even had enough money to complete the build. But in the end, everything worked out and with all the parts obtained the students still had cash to spare.

- Hard Work
- Great Effort
- Intuitive Thinking
- Extraordinary Results

