MYP

New School Personal Project Report

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Minicar

Can I create a go-cart prototype?

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Introduction

Last year, after the first meeting with Ms. Amos, I immediately understood that I had much to do, furthermore everyone was saying that working on a personal project is very easy and fun, and that it deeply affects the IB diploma. Several days later, I thought of creating something with my own hands, because, when I was a child, I always liked to craft different kinds of stuff, be it a wooden slingshot or an explosive cigarette I once used on my neighbor, what lead to many different ‘results’, which I don’t want to talk about. After thinking for a while, I decided to create a gas propelled rifle. However when I submitted the idea, it was rejected because of many safety, as well as ethical issues. I couldn’t think about what else could I create, but then I turned on “Discovery Channel”, and “Top Gear” inspired me to do something vehicle related, and then I finally chose to make a go-kart.

As I gave a new project application to Ms. Amos, it was accepted and I was finally assigned to my supervisor- Mr. Martin Keon who fortunately turned out to be a very good and intelligent person. Before summer break, I and Mr. Keon had a conversation in which I was told a lot of interesting and useful tips for my future project. To be more certain, I understood how to write a process journal, and how exactly should I handle and assign different information and material taken from many sources, as well as what safety measures should I take while working on the object.

The goal

The goal of my project, as I already may have said is to create a fully functional, drivable, small go-kart which is fast enough and in the same time, very light. It’s meant to be powered by gasoline and must be able to reach the speed of 50 km/h