**Introduction/Background:**

We started the project with an idea to do a clock as fully mechanical project that we could try to prototype and create ourselves but due to limitations we scraped the idea after a week of thought and preferred to design an V6 Engine as a complex mechanical object in our day to day life that we all found some fascination towards we decided to start by using other people depictions of different parts of it and adapt it to work together as a lot of what we found were made with different engines sizes in mind after considerable work we found ourselves grinding through it and have worked in modeling before November started but the biggest setback is the responsibilities set on a fickle partner due to this we had to leave out a lot of the work planned.

**Description of the Design:**

We have made a V6 Twin turbo engine with all it necessary part including its piston and its part al the way to the camshaft to keep time of the ignition plugs the Intake and Outake for the engine the two turbo with their respective air filters including the body of the engine most of these part have been designed equally between the three group members but Vincent did quite a bit more in helping mold together and picking up for the slack of our teammate, also all the part have been modifided to meet real world standards. All 26 parts designed have been done by our team and been assembled in 3 micro assemblies.