

# The Roxy Rise Autonomous F1 Racing Car Team

*On Thursday the 12<sup>th</sup> March, four Year 4 students from Roxburgh Rise Primary School attended 'Driving Learning' at the Melbourne Formula 1 Grand Prix. Here is their story:*

We participated in the BAE SYSTEMS AND STEMHUB: AUTONOMOUS VEHICLES CHALLENGE

We were given the following challenge:

**If you were a race engineer what features would be added to a formula 1 vehicle  
to make a winning autonomous race car?**

We had to design an autonomous racing car and then pitch our concept to a judging panel of industry experts.

We were the only 9 years old there, as all other schools had year 5 and 6 students pitching their ideas. We presented our pitch in front of 4 judges and an audience of 100 people. It was very hard to hear anything as there were cars racing in the grand prix track in the background but we gave it our all. The judges asked some tricky questions and then after hearing 5 other schools present their pitches, they made their decision.

We came second out of 6 Victorian schools!! We were very excited to have won something as we had worked very hard to get to this point.

This was a unique experience that taught us so much about the new technology available for autonomous vehicles. Some of it was difficult to understand (after all we are only 9 years old!) but we persevered. We learnt lots of things from the STEMhub information booklet 'The Science of Autonomous Vehicles' and looked up lots of 'YouTube' videos with our teacher's help.

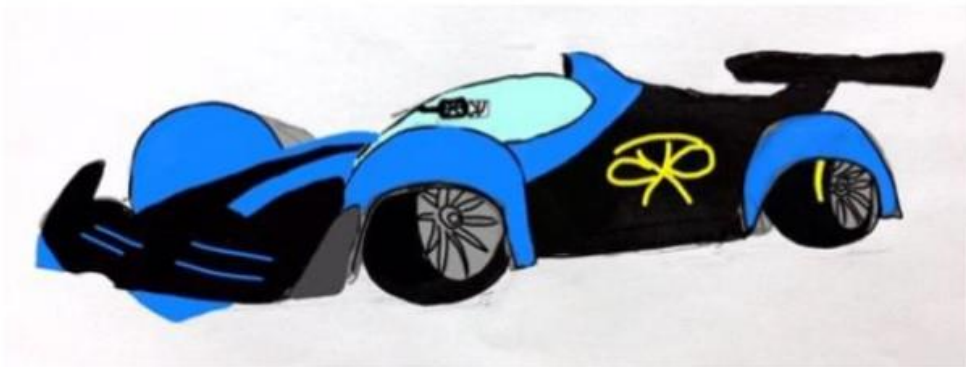
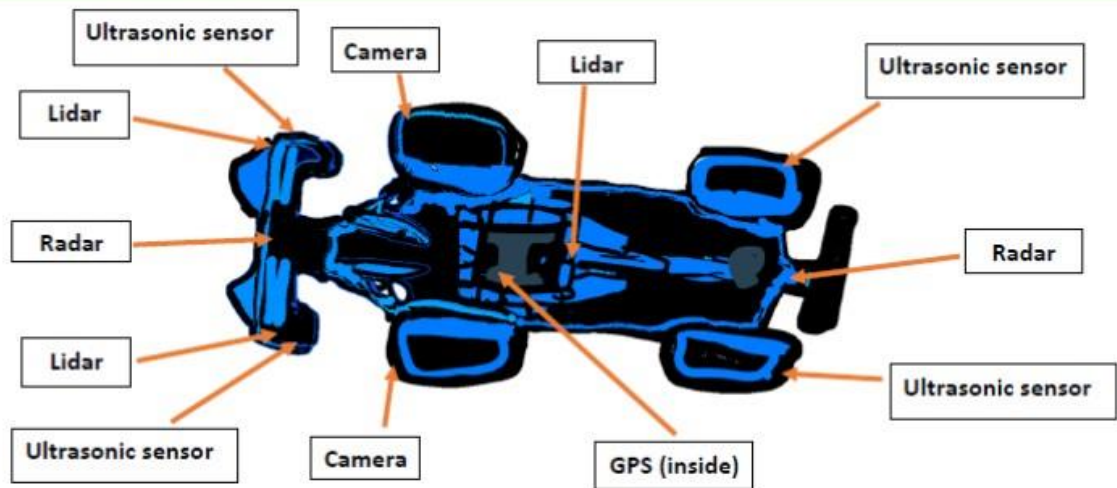
Another great skill we learnt was working effectively together as a team and sharing jobs.

We loved this exercise and hope to one day be able to design autonomous cars for real!

*Ayah from 4A, Jacob from 4B, Tasnim from 4C and Abdul from 4D*



At the F1 Grand Prix



This is our racing car design labelled with the autonomous technology we used.



The LEGO prototype of our design