**Aerodynamics Team: Ideas, discussion points, etc…**

* **What kind of material for body panels?**

Carbon fibre, glass fibre (budget needs to be known prior to the decision, cost is an issue)

* Get in touch with the composite lab

Foam/polystyrene for low rigidity parts? Wood for style?

* **How do we mount the panels onto the chassis?**

Welding mounting points directly on the chassis? (Also see how suspension will be integrated)

* Testing
* CFD using ANSYS FLUENT (available on every computer in the Newton building+library). Quite tricky🡪 better ask a teacher/experimented student for help.
* Wind tunnel testing. Scale models could be built using 3D printers in the labs (£ efficient)
* **Side scoops / side pods design**

Raidiator integration.Would be smart to validate it by CFD simulation (and wind tunnel testing if possible)

*Boundary layer is to be looked at for an efficient air intake.*

* **Undertray**

At least minimise turbulences, at best adding downforce?

* **Wings**

Later.

* **Other**

Rule compliant fairing