

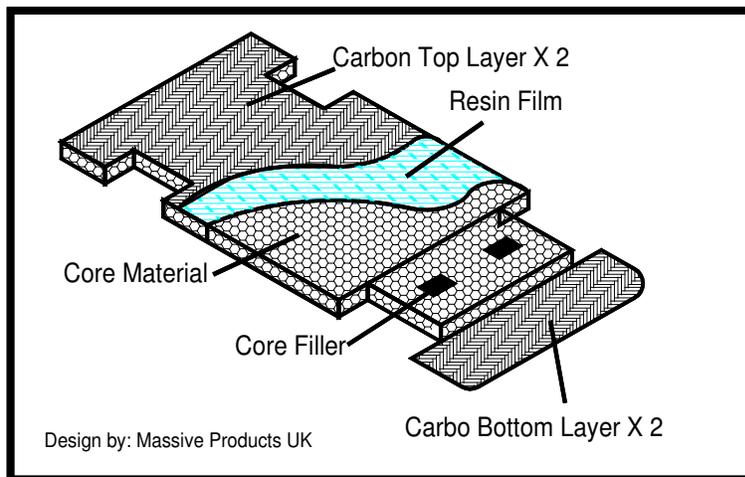
Carbon Fibre Chassis

The next step in the progression of your car design could be 'CHASSIS MODIFICATION'

In the diagram below, we have shown a simple development for that can be produced using composite material. (ask your teacher for more information)

This is constructed using four materials;

1. **Pre-impregnated composite carbon**, for rigidity and strength
2. **Resin film**, to bond the carbon to the core material
3. **Core material**, This can be honeycomb nomex, Alloy or even a foam core.
4. **Core filler**, to provide internal support where fixings can go although this is not totally essential.



From the diagram you can see that this forms a simple composite laminated structure that can be cut roughly to shape prior to manufacture then cut and trimmed up later to exact size with simple hand or machine tools.

If you think that you would like to start to move in this direction, look at the composite case study on the website and get in touch at info@formulaschools.com this chassis can be stronger than Aluminium and some steels and there is no comparison when it comes to saving weight.