



BLOODHOUND CHALLENGE TASK

Engineering Design

A PROJECT APPROACH TO DELIVERY

The Project Brief – Learner Copy

You are to take the design specification for a component for The BLOODHOUND Model Rocket Car Challenge model and then design, present and prototype the component.

The design presentation should:

- include a range of 2D and 3D techniques
- include CAD images
- demonstrate the steps taken in design
- demonstrate the safe production of a prototype.

The prototype should:

- be made using techniques and tools in a safe manner
- be made from appropriate materials
- accurately represent the design.

The prototype should be evaluated to identify any necessary modifications and adjustments to the design.

This work could be undertaken as individuals or within a team. If working within a team you are expected to contribute in each of the areas in order to gain the experience and knowledge required to successfully complete the Cambridge National in Engineering Design.