

What the judges are looking for

Your entry must cover the three areas shown on each **Design challenge guide** how you are responding to the brief, how you are using aluminium, and how you are making your design sustainable by addressing all 6Rs of sustainability.

USE THESE HANDY CHECKLISTS TO HELP YOU!

How am I responding to the Design brief?

- I have thought about and can show my research into who will use my product and what they need it to do.
- I have explained how my design solves the problem in the brief.
- I have used existing ideas to inspire me, but I'm not copying them.
- I have generated my own original ideas.
- I have shown that I have done independent research.
- I have included lots of detailed drawings or sketches using a mix of freehand sketching and computer-aided design.
- I have included plenty of labels to explain my design ideas, materials and construction.
- I have presented my designs either as a handwritten, Microsoft office, PDF or video file without exceeding four A4 pages, or five minutes of film, in length.

How am I using aluminium (and other sustainable and recyclable materials)?

- I have used aluminium throughout my design.
- I have used aluminium in lots of different ways.
- I have explained how using aluminium helps to solve the design problem.
- I have justified (give good reasons for) how I will form each aluminium part.
- I have justified how I will join parts together.
- I have justified how I will finish each aluminium part.
- I have explained why I chose other materials in my design and how I use them sustainably.

How am I thinking about the 6Rs of sustainability?

- I have written my own explanations of how I deal with all the 6Rs – not just what they are.
- I have explained where each material will come from.
- I have used recycled raw materials where possible.
- I have explained how my design will be sustainable at every stage of its life:
 - making
 - using
 - repairing
 - what happens at the end of its useful life.
- I have looked over each of the **Previous successful entries** to help develop and present my ideas.

