

# YR10 ENGINEERING

Unit 1

# CAMPING STOOL DESIGN

Unit objective: To research *Camping Stool's* available, develop a *Camping Stool* adapted to a consumer need and produce accurate engineering designs for these.



## Background

Cas Camping Ltd. is looking to design a new camping stool. The company is prepared to consider any options for camping stools but is eager to ensure that all stools are foldable. Cas Camping Ltd views the development of this new model as an opportunity to promote the company and wants to see the logo on all future products. Your task is to design a new foldable camping stool.

# LO3: Be able to propose design solutions

For this task you are to analyse your 3 design ideas to see which is the most suitable to use as your final design.

- ❑ In the first column you write in the key 8-10 specification points that you chose earlier. You will then evaluate how well each idea meets that specification point. You will score it out of 5 (5 meets the point, 1 doesn't meet the point). You **MUST** explain why you give each one the score you did. Use the examples below. At the end add up the score and put it in the total box.
- ❑ Put this table in your own style, you don't get any marks for using generic templates

Specification point	Idea 1	Idea 2	Idea 3
The product should be made from durable materials such as ABS and aluminium	5- The product uses an aluminium frame and ABS	1- the product uses steel for the case and steel fittings	3- the design uses mild steel and fabric
Total			