

Team/patrol name.....

Mars Lander

You are a team of designers who are tasked with designing and building a landing craft to take men on to Mars. It will be dropped from the space craft, and your prototype must demonstrate that it is fit for purpose by protecting an egg from a drop. The prototypes will each be dropped from a height of approximately 2 metres (person on chair!). Eggs that smash or crack fail the test while eggs that survive without a scratch pass!

You have a budget of £5 to spend on your project. You may come to browse in the shop once, as a patrol, then decide what you wish to buy. The shopkeeper takes no returns, will not negotiate on price and will only serve your patrol once. Choose carefully. The egg is free!

You may use scissors and a glue stick.



You have 20 minutes to complete the task. Your egg in its protection will then be dropped [probably in this case by someone standing on a chair!]

You may buy:

1 balloon	£2.00
	
50cm string	£0.50
	
Paper cup	£1.00

Rubber band	£0.50
	
1 Plastic sheeting	£1.00
	
10 Sequins	£0.50

	
sheet of newspaper	£0.50
	
6 straws	£1.50
	

	
Card tube	£1.00
	
length of punchinella	£0.50
