

Helmet design activity – Equipment list

Overall

Item	Number needed	Packed
Worksheets		
Pen or pencil		
Materials Scientist colouring sheets		
Risk Assessment form		

Part 1 - Chocolate Impact testing

Item	Number needed	Packed
Chocolate Impact Tester*	1	
Baskets for broken chocolate	3	
Foil	1 roll	
Chocolate type 1 (e.g. crunchie)	1 per iteration	
Chocolate type 2 (e.g. Wispa)	1 per iteration	
Chocolate type 3 (e.g. Wispa Gold)	1 per iteration	
Laminated allergen warning	1	
Laminated cross section	1	
Laminated toughness predictor sheet	1	
Optional extras		
Materials bars from busking box (good ones are iron / steel, aluminium and carbon fibre)		
Crash helmet		

**IF YOU DON'T HAVE ACCESS TO A CHOCOLATE IMPACT TESTER THEN YOU CAN USE TWO TIN CANS (TO SUPPORT THE CHOCOLATE BARS) AND HAVE A RANGE OF WEIGHTS AVAILABLE TO DROOP ONTO MIDDLE OF CHOCOLATE BAR.*

Part 2 – Visor testing

Item	Number needed (per group of 3 children)	Packed
UV torch	1	
Petri dish	2	
UV bead	20	
UV colour index chart	1	
Transparent sheet materials	A selection	
Opaque sheet materials	A selection	