

Year 8 – Homework Tasks – Ruck Sack Light Project

Please complete the homework tasks when they are set by your class teacher



No.	Task outline	Teacher comment
Task 1 Safety first	<p>Find five safety products that can help you to be seen when walking or cycling at night. Beside each one, explain what they are, what they do and how they work. If you are unable to present images, you could sketch the item.</p> <p>Extension: Select the product from your five that you feel is the most effective and add some additional analysis to explain why you think this.</p>	
Task 2 Vacuum forming	<p>Using words and diagrams explain the vacuum forming process with numbered stages. Try to include as many key terms and material names as you can.</p> <p>Extension: Write a list of products that we see day-to-day, that have been vacuum formed.</p>	
Task 3 Soldering	<p>Present a range of information telling people how to use a soldering iron; You can present this as a poster, step-by-step guide or list of 'top tips'. Include images or drawings to show the stages. Try to include as many D&T keywords as you can</p> <p>Extension: Explain how circuit boards are mass produced in the 'real world'.</p>	
Task 4 Electronic components	<p>Find or draw images of a range of electronic components. Beside each one label it and explain its function within a circuit.</p> <p>Extension: Find out about the issues associated with recycling electronic products. What problems does this cause?</p>	