



## Independent Learning Task

Subject	Science											
ILP #5	What's that material?											
Week set:	Week 29											
Duration:	1 – 2 hours											
Hand in:	Week 31											
Instructions:	<p>In the 3<sup>rd</sup> Chemistry topic, we have been learning about metals however, the world is full of many other fascinating materials.</p> <p>Your task is to work in pairs to produce a presentation on a material of your choice. This material should be a polymer, a ceramic or a composite.</p> <p>Example materials:</p> <ul style="list-style-type: none"> <li>• Polymers - Kevlar, Polystyrene, Nylon</li> <li>• Ceramics – Porcelain, Titanium carbide</li> <li>• Composites - Carbon fibre polymer, Pykrete</li> </ul>											
Skills:	<ul style="list-style-type: none"> <li>• Research skills</li> <li>• Presentation writing</li> <li>• Oral presentation</li> <li>• Team-work</li> </ul>											
Marking schema:	<table border="1"> <thead> <tr> <th>Criteria</th> <th>Criteria met? (Y / N)</th> </tr> </thead> <tbody> <tr> <td>There is a clear explanation of either a polymer, ceramic or composite material.</td> <td></td> </tr> <tr> <td>The discovery of the material has been discussed.</td> <td></td> </tr> <tr> <td>The uses of the material have been discussed.</td> <td></td> </tr> <tr> <td>There is an explanation of how the properties of the material make it suitable for its uses.</td> <td></td> </tr> </tbody> </table>		Criteria	Criteria met? (Y / N)	There is a clear explanation of either a polymer, ceramic or composite material.		The discovery of the material has been discussed.		The uses of the material have been discussed.		There is an explanation of how the properties of the material make it suitable for its uses.	
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Additional guidance or help:	<a href="https://www.bbc.co.uk/bitesize/topics/zggbkqt">https://www.bbc.co.uk/bitesize/topics/zggbkqt</a>											