



Independent Learning Task

Subject	Science								
ILP #2	Marvellous molecules								
Week set:	Week 11								
Duration:	1 – 2 hours								
Hand in:	Week 13								
Instructions:	<p>There are many molecules that help us in our everyday lives.</p> <p>Your task is to build a 3D model of one of the molecules listed below and produce a fact sheet about it.</p> <p>Molecules: Glucose, Aspirin, Penicillin, Sodium chloride, Sodium stearate, Diamond, Graphite, Water.</p>								
Skills:	<ul style="list-style-type: none"> • Developing research skills. • Applying creativity to science. • Appreciation of the scientific world in everyday life. 								
Marking schema:	<table border="1"> <thead> <tr> <th>Secure</th> <th>Developing</th> <th>Excellent</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> - Construct a model of a simple molecule. - Produce a key for your model. - Provide limited information about the substance. </td> <td> <ul style="list-style-type: none"> - Construct a model of a molecule. - Produce a detailed key for your model. - Include some limited information about the substance. </td> <td> <ul style="list-style-type: none"> - Construct an accurate model of a complex molecule. - Produce a detailed key for your model. - Include detailed information about the substance. </td> </tr> </tbody> </table>			Secure	Developing	Excellent	<ul style="list-style-type: none"> - Construct a model of a simple molecule. - Produce a key for your model. - Provide limited information about the substance. 	<ul style="list-style-type: none"> - Construct a model of a molecule. - Produce a detailed key for your model. - Include some limited information about the substance. 	<ul style="list-style-type: none"> - Construct an accurate model of a complex molecule. - Produce a detailed key for your model. - Include detailed information about the substance.
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Additional guidance or help:	<p>Things you could include on your fact sheet:</p> <ul style="list-style-type: none"> • The name of the substance • A picture of the substance • The key for your model • What the substance is used for • If the substance is naturally occurring, then how is it obtained and made safe for people to use? • If the substance is man-made, how was it discovered? How is it manufactured? 								