



**Subject Level Descriptor**

<b>Department</b>	Design and Technology	<b>Year Group</b>	9	<b>Assessment</b>	Bug practical
<b>Assessment Summary</b>	<ul style="list-style-type: none"> <li>- To know names of specific metal working tools and equipment</li> <li>- Demonstrate how braze and dip coat metal</li> <li>- Understand the importance of health and safety in the metal forge</li> </ul>				

	<b>Skills and creativity</b>	<b>Quality of final outcome</b>	<b>Independent learning</b>
<b>Level 1</b>	An attempt made to join and shape metal, with teacher help. Work may not be complete i.e. No finish, or missing parts	The basic bug shape has been partially recreated. The design requires aesthetical improvement to look more realistic.	Frequent support required to ensure task was complete. Lacks confidence with tools and machines.
<b>Level 2</b>	Some marking out was attempted but not used to help with accuracy. Some parts need improving such as straightening or securing legs and cutting of the body but design is complete.	The basic bug shape has been made without teacher help. The design has no modifications but has key features such as body and legs. Overall aesthetical improvements are needed	Some guidance needed to support learning or reminding of safety rules. Can follow instructions most of the time.
<b>Level 3</b>	Some marking out was evident with legs and body cut and bent with some accuracy. Some brazing is secure.	A good bug design has been made with ONE additional feature. Legs and body are cut with some accuracy and a finish is applied well. Good quality overall.	Works safely in the workshop using tools, equipment and PPE correctly. Can follow instructions well and asks questions to check understanding.
<b>Level 4</b>	Marking out was evident leading to accurate cutting, drilling and joining. Very few errors in manufacture. Brazing is secure with coating applied.	An excellent bug design produced with several additional features that develop the design The design is well proportioned with accurate joining and cutting.	Works very well in the workshop with some independence. Has confidence using tools and machinery.
<b>Level 5</b>	An outstanding bug design produced with little error. Confident with manufacturing methods and demonstrates all skills with precision.	A creative bug design that has been developed far beyond the original design. The design is well proportioned with accurately cut and joined body parts. A coating has been applied evenly.	Works independently with equipment and overcomes problems along the way. Supports others with tasks demonstrating skills and understanding.

Photographic evidence will be used to help assess outcomes