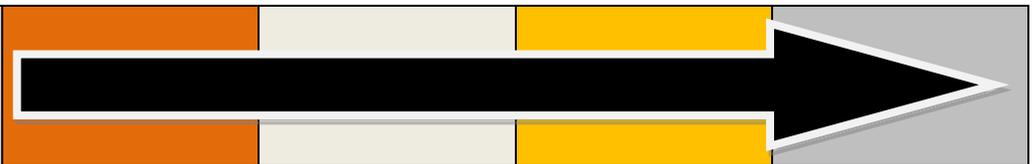


Year 8: ASK Yourself!

Subject: Design and Technology

Unit: Garden Tool

| | Launching 1-2 | Developing 3-4 | Progressing 5-6 | Mastering 7-9 |
|---|---|--|--|---|
|  |  | | | |
| Cutting and shaping metal | I found it hard to cut and shape metal, but managed with help. | I can use a hacksaw but my cut lines did not stay on the line I drew. The edges of my metal may be rough and need more filing. | I can use a hacksaw and files to cut and shape metal to a good standard. I may need to spend more time making sure the edges are completely accurate and smooth. | I am able to use a hacksaw independently to accurately cut metal. I have used a file to make the edges smooth and neat. |
| Brazing | I did not braze my garden tool. | I brazed my garden tool together well whilst following all safety rules. | I have a well brazed joint and have managed to clean the majority of the rust. I may need to be more patient with these more monotonous tasks. | I was able to join two bits of metal together neatly and efficiently. I cleaned all of the rust from the metal quickly. |
| Using the lathe & polisher | I didn't feel confident about using the lathe. I may not have polished the handle. | When using the lathe I needed to be reminded how to "face off". | I used the lathe accurately to face off both ends of my handle and drill into it. I didn't get rid of all marks when polishing. | I used the lathe accurately to face off both ends of my handle and drill into it. I polished my handle until it was shiny and all marks were removed. |
| Homework | I do not always hand my homework in on time each week. I need to try to organise my time and make sure I fully understand what I have been asked to do. | My homework is completed. It usually responds to the task set but it would benefit from more time spent presenting it. | I work hard on my homework. It is usually neat and complete. I get over 5 when it has been marked out of 10. | I always put my full effort into homework and this can be seen in the quality of my work and the correct completion of each task. |

|  K knowledge |  | | | |
|---|---|---|--|--|
| Materials & Processes | I am learning the materials and processes used for metal work. | I know most of the materials and processes that I have used. I sometimes need to be more specific, for example say exactly what type of metal I used. | I know and use and use the specific names of materials and processes in my written work. | I know, can name and understand all of the processes and materials that I have used in the Garden Tool project. I am able to write a detailed manufacturing report (make diary) that explains how I made my product. |
| Health and Safety | I have been reminded by my teacher more than twice to follow the workshop safety rules. I need to think more before I act and use machines. | I understand the workshop safety rules. Occasionally I am reminded by my teacher to remember [for example to wear goggles]. | I made my garden tool by working safely following the workshop rules. I pack away at the end of the lesson to ensure the workshop is a safe place. | I followed the workshop safety rules and made my garden tool without incident. I am thoughtful and consider the safety of others as well as myself. |