**Year 8 Metalwork Research Assignment**

**Learning Intention:**

This term you are working with metals for the first time. This assignment will help you understand more about where it comes from, its properties and uses.

**Where does it come from?**

Use the website [www.technologystudent.com](http://www.technologystudent.com) to help you answer these research questions, other sites may also be helpful but this site is a great place to start.

1. Where does the metal we are using (steel) come from.?
2. What is the raw product known as and how is it processed to become the useful product we use?
3. Outline the production steps in numbered bullet points.
4. What countries produce the raw materials for steel?

**Types and uses**

1. What is the difference between ferrous and non-ferrous metals?
2. Name 2 Ferrous and 2 Non Ferrous metals.
3. To produce different steels for different purposes we need to create alloys, what are alloys and how are they helpful in creating a steel to suit each purpose?
4. What is the alloy mix which makes Mild steel as used in the Technology workshop?
5. List 4 sections or shapes that steel can be purchased in.

**Your Project**

1. Your trinket box was made using tinplate, explain how tinplate is produced.
2. List the measuring and marking tools required to accurately set out your design on sheet metal
3. Why is it necessary to place a 5 mm fold or lap on the edges of your box?
4. How where the corners of your box joined and explain the process involved.