KEY

Materials/Tools

Flux

Mild Steel - Flat stock/Round Stock/Square Stock

Brazing rod

File (Rounded, flat and triangular)

Hack Saw

Brazing torch/Brazing Hearth

ASSESSMENT

Assessment Task 1: I will be assessed on my understanding of box joints

Assessment Task 2: I will be assessed on different levels of production where I should be able to pair products with the method used to manufacture them.

Assessment Task 2: I will be assessed on the four most commonly used methods of manufacturing out of plastic.

WHAT WILL I BE LEARNING ABOUT THIS TERM?

Traditional metal working skills combined with contemporary client based design development and subsequent modelling. I will be taken through the iterative design process lead by client feedback.

KEY SKILLS

* Analysis
* Market Research
* Modelling and prototyping
* Problem solving

BRIEF SUMMARY OF UNIT

I will be studying the skills I need to be successful in D&T through modelling and prototyping using client feedback to drive any changes. I will also learn and develop traditional metal working skills to produce a sculpture.

KEY DEFINITIONS

Brazing - is a metal-joining process in which two or more metal items are joined together by melting and flowing a filler metal into the joint, the filler metal having a lower melting point than the adjoining metal.

Biomimicry– Designing items by imitating nature's time-tested patterns and strategies

Modelling and Prototyping– **Models a**re usually made to allow us to visualise and handle a product. **Prototypes** tend to be life size with functions incorporated so that it can be tested.

Alloy – An alloy is a mixture of two or more elements, where at least one element is a metal. Many alloys are mixtures of two or more metals.

