



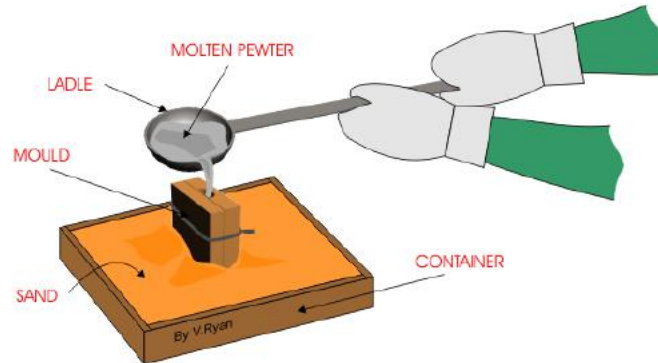
Design Technology— Engineering—Casting Project

You will rotate around Food, Graphics, Engineering and D&T throughout the year completing different projects and developing lots of new skills and knowledge

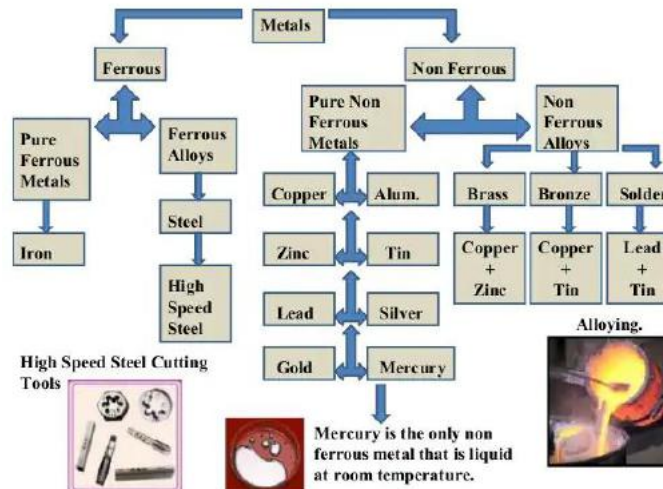


Key vocabulary	
Vocab	Definition
Ferrous Metal	A category of metal used in the manufacture of products
Non Ferrous Metal	A category of metal used in the manufacture of products
Alloys	A category of metal used in the manufacture of products
Casting	A common metal manufacturing process that you will learn about
Abrasive paper	A material used during the finishing process of metals
Files	A tool used during the finishing process of metals
Pillar Drill	A common workshop machine used for creating holes in different materials
Coping Saw	A common workshop tool used for cutting a range of different materials

Pewter Casting is a metal manufacturing process you will learn about during Year 7. You will design and make a cast product. Casting involves pouring molten metal into a mould.



Metal Categories. All metals fall into 3 different categories. During Year 7, you will learn about the 3 categories, their differences, properties and applications.



Through practical work, you will learn about **Health and Safety** including how to operate tools and machinery correctly and safely



Metal Finishing Process You will learn about the metal finishing process and will use this to achieve a high quality finished product that we expect to see in shops

