



# Design Technology— Engineering—Racing car 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
Types of metals	Develop knowledge from Y7 to find out about the different types of metals within each category
One off Production	A scale of production used in the manufacture of products
Batch Production	A scale of production used in the manufacture of products
Mass Production	A scale of production used in the manufacture of products
Manufacturing process - Casting	A metal manufacturing process
Manufacturing process - Pressing	A metal manufacturing process
Manufacturing process - Forging	A metal manufacturing process
Manufacturing process - Folding	A metal manufacturing process
Metal finishes	Common metal finishes used to protect and enhance metals
Metal fixings	Common metal fixing methods for manufacturing metal products

### Scales of Production:

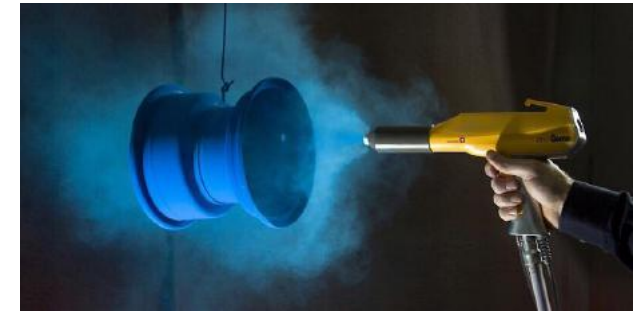
You will learn about the different scales of production, their advantages and disadvantages and the sorts of products made using each method.



**Metal Types** You will develop your knowledge from Year 7 to learn about the different types of metals within each metal category. You will find out about their properties and uses and will be able to identify the types of metal every day products are made from, through practical investigation.



**Metal Finishes** are applied to protect or enhance the material. You will learn about the different metal finishes, their advantages and disadvantages and their application methods.



**Metal Fixing Methods** You will learn about different methods of permanently and temporarily fixing metals together. You will have the opportunity to try some of these out for yourself.

