

## Year 8 Resistant Materials

Mechanical Coat Hook	Knowledge, Skills, Understanding
<b>Higher</b>	<p>Can identify the key features on existing products.            Can conduct research into mechanisms using 1-2 sources of information giving examples.            Can list the need of the user            Can explain choices of materials and techniques            Are/am able to use simple sketches to show ideas            Are/am able to annotate ideas to highlight key points.            Are/am able to demonstrate how to render ideas.            Are/am able to demonstrate safe and independent use of a coping and scroll saw.            Can explain the process of metal forming using a range of correct keywords.            Are/am able to select and use a range of tools accurately.            Are/am able to apply a finish to a product with some accuracy.            Can suggest improvements for the final product.            Explain the making process.            Can use a range of relevant vocabulary throughout the project.            Are/am able to use a ruler independently and accurately.</p>
<b>Intermediate</b>	<p>Can create a themed image board for the project.            Can explain how movement and mechanisms are linked.            Can explain choices of materials.            Are/am able to use basic sketching techniques to show ideas.            Are/am able to add notes to explain the design.            State the type of material that could be used in the design.            Can choose appropriate tools and equipment.            Can use a range of tools with confidence.            Can begin to explain the process of metal forming.            Can identify areas that need improving in the practical work.            State a personal opinion on the product.            Define the making process.            Can use some keywords in a sentence.            Are/am able to use a ruler to measure.</p>
<b>Foundation</b>	<p>Can collect images for the project.            State 4 types of movement and how they can be used.            Are/am able to explain choices of materials            Are/am able to produce a simple sketch for a design.            Are/am able to use pre-selected tools safely with support.            Describe the process used in metal forming.            Identify what went right and wrong in the making.            List the tools and machines used in making            Can name the tools used in the project.            Are/am able to use a ruler to measure with support.</p>

**NB: direct command = knowledge, 'can'= understanding, 'able to'=skills**