

LONG TERM PLANS

Year Overview (GCSE Resistant Materials Year 10)



ADT Faculty	
YEAR 10 – GCSE Resistant Materials	
Autumn term	
Half term 1	Half term 2
<p>Working with timber Aims: To explore and construct a variety of joining techniques for timber. To design using creativity, imagination and flare.</p> <p>Key Assessment Activity: Practical assessment: manufactured bookends Written assessment: design work</p>	<p>Working with timber (continued) Aims: To analyse existing storage devices, to design and manufacture a storage device demonstrating creativity, imagination and flare.</p> <p>Key Assessment Activity: Practical assessment: manufactured storage device Written assessment: analysis work, design work, evaluation.</p>
Spring term	
Half term 1	Half term 2
<p>Working with metals Aim: To explore methods and techniques for cutting, shaping and forming metal.</p> <p>Key Assessment Activity: Practical assessment: coat hook Written assessment: production plan</p>	<p>Working with metals (continued) Aims: To follow working drawings to manufacture a novelty bottle opener. To follow the design process to design to manufacture the handle for the novelty bottle opener.</p> <p>Key Assessment Activity: Practical assessment: novelty bottle opener Written assessment: PowerPoint of specialist tools and equipment</p>
Summer term	
Half term 1	Half term 2
<p>Working with plastics Aim: To explore methods and techniques for cutting, shaping and forming plastics through a series of short, focused tasks.</p> <p>Key Assessment Activity: Speaking and writing assessment: PowerPoint of manufacturing methods and material properties through presentation.</p>	<p>GCSE Controlled Assessment Aims: To identify and research a chosen design and manufacture task from the Exam Board Controlled Assessment Tasks.</p> <p>Key Assessment Activity: Written Assessment: Investigating the Design Context</p> <p>Mock exam based on previous year's actual paper.</p>