




YEAR 8 Project

'An ambitious curriculum that meets the needs of all'

Medium Term Planning - Topic: Chocolate Box Design

Curriculum Intent	In addition to working further on objectives from Year 7, pupils will be taught, following National Curriculum guidelines, the following this term:
Skills/National Curriculum Links	<p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making.</p> <p>Design</p> <p>Use research and exploration to identify and understand user needs</p> <p>Develop and communicate design ideas using Sketches and CAD</p> <p>Make</p> <p>Select from and use specialist tools, techniques, processes, equipment and machinery precisely, including computer-aided manufacture</p> <p>Select from and use a wider, more complex range of materials</p> <p>Evaluate</p> <p>Test, evaluate and refine their ideas and products against a specification, taking into account the views of intended users and other interested groups</p> <p>Technical knowledge</p> <p>Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions</p>
Spiritual, moral, social, and cultural development	<p>SMSC: Understanding how to conduct themselves in a classroom environment during a practical lesson, keeping themselves and others around them safe.</p> <p>PSHE/British Values: encouraging students to help one another</p> <p>Skills Builder: Using hand tools and machines</p>
Numeracy	<p>Use of marking and measuring.</p> <p>Converting cm into mm.</p> <p>CAD software</p>
Literacy	<p>Vocabulary: Coping saw, flat file, HIPS, MDF, Vacuum former.</p> <p>Key words worksheet</p>
Becoming future ready	<p>Careers/Employability: Enable students to develop their practical skills and understand material properties as they become developed and rounded designers.</p>
Adaptation	Throughout this topic, quality first teaching will provide differentiation:

QFT/SEND Provision	<p> By product: Final bar design outcome. By resource: Use of templates, CAD help booklet. By Intervention: by providing different levels of supervision and support By Progressive Questioning: exploring pupils' understanding through interactive dialogue. By Grouping: according to prior attainment, gender, social preference, preferred learning style. By Task: Pupils should be involved in the identification of targets which are meaningful to them and in the selection of an appropriate task from the given range. By Offering Optional Activities: In class or as homework, to extend learning. This QFT/SEND provision will be explicit within the lesson-by-lesson schemes of work. </p> 
Implementation Curriculum Delivery	
Learning Outcomes (Knowledge)	<p> To be able to: To make a chocolate bar mould and to investigate how to apply a commercial manufacturing process to their work. </p>
Current learning to be developed in the future within:	
Assessment	<p> Refer to assessment maps for formative and summative assessment opportunities. Design ideas, sketched and CAD work Practical piece </p>
Impact	<p>Attainment and Progress – Refer to assessment results / data review documentation.</p>