YEAR 8 2023-2024 Project

'An ambitious curriculum that meets the needs of all'

Medium Term Planning - Topic: Chocolate Bar 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	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. Design Use research and exploration to identify and understand user needs Develop and communicate design ideas using Sketches and CAD Make Select from and use specialist tools, techniques, processes, equipment and machinery precisely, including computer-aided manufacture Select from and use a wider, more complex range of materials Evaluate Test, evaluate and refine their ideas and products against a specification, taking into account the views of intended users and other interested groups Technical knowledge Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions
Spiritual, moral, social, and cultural development	**SMSC:** Understanding how to conduct themselves in a classroom environment during a practical lesson, keeping themselves and others around them safe**.** **PSHE/British Values:** encouraging students to help one another **Skills Builder: Using hand tools and machines**
Numeracy	**Use of marking and measuring.** **Converting cm into mm.** **CAD software**
Literacy	**Vocabulary: Coping saw, flat file, HIPS, MDF, Vacuum former.** **Key words worksheet**
Becoming future ready	**Careers/Employability: Enable students to develop their practical skills and understand material properties as they become developed and rounded designers.**
Adaptation	Throughout this topic, quality first teaching will provide differentiation:

QFT/SEND Provision	**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.
Implementation Curriculum Delivery **Learning Outcomes (Core Knowledge)**	To be able to: To make a chocolate bar mould and to investigate how to apply a commercial manufacturing process to their work.
Current learning to be developed in the future within:	
Assessment	Refer to assessment maps for formative and summative assessment opportunities. Design ideas, sketched and CAD work Practical piece
Impact	Attainment and Progress – Refer to assessment results / data review documentation.