

Curriculum Map	Subject	Design Technology	Year	8
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Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
Product Design: Chocolate Moulds	Students will learn about batch production, food safe groups and how designers work together in collaboration to produce products. This understanding will be put into practice by designing and making a set of novelty chocolate moulds suitable for food use.	Collaboration, Research skills, Designing skills, Isometric drawing, 3D CAD skills, Hand finishing skills, Vacuum forming, 3D printer, Evaluating skills,	Design and make a set of novelty chocolate moulds in groups or 3. Male moulds will be designed using Onshape, printed on the 3D printers and used with the vacuum forming machine to create the final product.	Mutual Respect – Having to listen to every member of the group and respecting their view. Rule of Law - need to follow workshop H&S rules	Mould Designer	Science – properties of thermo plastics. Food Technology – food safe grades of plastic.
Graphic Design: Cable Winders	Students consider how products can be used to help organise both the home and travel markets. This will allow them to see effective design a set of cable winder to help organise cables at home and keep them safe while travelling.	Research skills, Designing skills, 2-Point perspective drawing, drawing skills 2D CAD skills, Hand finishing skills, Vacuum forming, 3D printer, Evaluating skills,	Design and make a set of cable winders on a given theme out of leather.	Moral – peer assessment and excepting others view points on their work	Product Designer	Maths – using measurements of an existing product to help effectively design a product to go with in.
Systems & Control: Music Players	This unit looks at the history of music players from analogue: the phonograph, record players; through digital with tape players, CDs and streaming. It covers the science and technologies behind the different systems and how developments in electronics has driven change.	Technological knowledge of electronic systems and how they influence society	A set of short tasks to be assigned	Social – understanding how technology has changed of the years and influenced our society.	Music Producer	Science - Electronics