

Design & Technology Long Term Plan

Academic Year 2023-2024



Co-op Academy
Grange

KS3 D&T at Co-op Academy Grange

Students in Y7 - Y9 study a rotation-based Design & Technology curriculum in which they receive 8/9 weeks of content in Textiles, Food, Engineering and Product Design:

	Rotation 1 - Textiles	Rotation 2 - Food	Rotation 3 - Engineering	Rotation 4 - Product Design
Year 7	Case Project	Grab 5	Cookie Cutter	Block Bot
Year 8	Bag Project	Budget Meals	Fidget Spinner	Moving Toy
Year 9	T-Shirt Challenge	Ready Meals	Tic-Tac-Toe	Storage Box

NCFE Level 1/2 Technical Award in Food and Cookery at Co-op Academy Grange

	HT1	HT2	HT3	HT4	HT5	HT6
Year 10	<p>Content Area 1: Health and Safety Relating to Food, Nutrition and the Cooking Environment</p> <p>Content Area 5: Food Preparation, Cooking Skills and Techniques</p>	<p>Content Area 2: Food Legislation and Food Provenance</p> <p>Content Area 5: Food Preparation, Cooking Skills and Techniques</p>	<p>Content Area 3: Food Groups, Key Nutrients and a Balanced Diet</p> <p>Content Area 5: Food Preparation, Cooking Skills and Techniques</p>	<p>Content Area 3: Food Groups, Key Nutrients and a Balanced Diet</p> <p>Content Area 4: Factors Affecting Food Choice</p> <p>Content Area 5: Food Preparation, Cooking Skills and Techniques</p>	<p>Content Area 4: Factors Affecting Food Choice</p> <p>Content Area 6: Recipe Amendment, Development, and Evaluation NEA Task Preparation</p> <p>Content Area 7: Menu and Action Planning for Completed Dishes</p>	<p>Content Area 5: Food Preparation, Cooking Skills and Techniques</p> <p>Content Area 6: Recipe Amendment, Development, and Evaluation NEA Task Preparation</p> <p>Content Area 7: Menu and Action Planning for Completed Dishes</p>
Year 11	<p>NEA (Non-Exam Assessment): Internal Synoptic Project</p>				<p>Exam Preparation / Revision Techniques</p>	

NCFE Level 1/2 Technical Award in Engineering at Co-op Academy Grange

	HT1	HT2	HT3	HT4	HT5	HT6
Year 10	Unit 1. Engineering Disciplines Unit 3. Reading Engineering Drawings	Unit 6. Hand-drawn Engineering Drawings Unit 7. Computer-aided Design (CAD) Engineering Drawings	Unit 5. Engineering Tools, Equipment and Machines Unit 8. Production Planning Techniques	Unit 9. Applied Processing Skills and Techniques Unit 4. Properties, Characteristics and Selection of Engineering Materials	Unit 2. Applied Science and Mathematics in Engineering	Mock NEA Project Dumper Truck Design Brief Specification Ideas Development Plan Production Evaluation Learner Log Revision
Year 11	Exam paper revision 9 mark questions	Mock NEA Health and Safety Mock Production Engineering Drawings Evaluation Learner Log	NEA (Non-Exam Assessment) Internal Synoptic Project		NEA (Non-Exam Assessment): Internal Synoptic Project Exam	

NCFE Level 1/2 Technical Award in Creative Design and Production at Co-op Academy Grange

	HT1	HT2	HT3	HT4	HT5	HT6
Year 10	Unit 1. Design and Production in Context	Unit 2. Design Materials and Processes	Unit 4. Presentation of a Design Solution	Unit 3. Design Brief and Production Processes	Unit 5. Review of Processes and Final Solution	Unit 6. Working in the Design Production Industries
Year 11	NEA (Non-Exam Assessment): Internal Synoptic Project				Exam Preparation / Revision Techniques	