

Oasis Academy Lister Park—Design Technology Curriculum



At KS3, Design Technology is taught on a rotation at years 7, 8 and 9. The DT carousel encompasses Food & Nutrition and 3D Design. Each 'project' lasts one and a half terms (approx. 16-18 lessons). The following plan shows an example carousel at all 3 years. All projects incorporate **research, design, make** and **evaluation**. Year 9 students have the opportunity to select one or more DT subjects to study at KS4 as a GCSE..

	Term 1 & 2	Term 2 & 3
Year 7 Theme - 'Monsters'	Food & Nutrition - 'Basic cooking skills' Underpinning DT theory and skills/techniques covered: Planning & Preparation, Food hygiene, Health & Safety, Knife skills, Using a blender, Eatwell guide	3D Design - 'Wooden Clock' Underpinning DT theory and skills/techniques covered: Health & Safety in workshop, Design, measuring, basic sawing skills, sanding, painting, applying vinyl, finishing
Year 8 Theme - 'Cultural'	Food & Nutrition - 'Cultural foods' Underpinning DT theory and skills/techniques covered: Food safety, Cooking methods, Sustainability & food miles, Food in religion, Weigh/measure, mix & combine, knead, using the hob/oven, Independence, teamwork	3D Design - 'Travel Game' Underpinning DT theory and skills/techniques covered: 2D Design, Understanding materials, Writing a manufacturing plan and specification, Measuring, adhesives, Coping saw/junior hacksaw/hegner saw, sanding, basic wood joints, basic laser cutting.
Year 9 Foundation for KS4	Food & Nutrition - 'Nutritional requirements' Underpinning DT theory and skills/techniques covered: eatwell guide/energy needs/ vitamins and minerals/ hydration / nutrition when planning a menu	3D Design - 'Decorative Frame—Pop art inspired' Underpinning DT theory and skills/techniques covered: advanced 2D design and laser cutting skills, wood joints, working with different/mixed materials . Art movements and key pop artists.

- Grow Policy:**
- All projects will be assessed by a generic tracker with criteria/ learning descriptors in line with the 1-9 GCSE grades (broken down with decimals)
 - Textiles & 3D Design assessment linked to AOs of the GCSEs.
 - Summative assessments will be used to assess progress in line with OALP assessments (3-4 times per year)
 - Summative assessments will be judged on a current grade based on the tracker descriptors.

KS4 (Options)

	(Y10) Term 1	(Y10) Term 2	(Y10) Term 3	(Y11) Term 4	(Y11) Term 5	(Y11) Term 6
Construction <i>Qual - WJEC Level 1/2 Construction and the built environment</i> <i>Delivery from Sept 2022</i>	2 lesson per week on Unit 1—Health & Safety. Understanding the construction sector. 1 lesson per week on Unit 3	2 lesson per week on Unit 1— The Built Environment Life Cycle. Types of building and structure. 1 lesson per week on Unit 3	1 lesson per week on Unit 1— Technologies & materials. Building structures and forms. 2 lessons per week on Unit 3	1 lesson per week on Unit 1— Sustainable construction methods. 2 lessons per week on Unit 3	1 lessons per week on Unit 1— Trades, Employment and Careers. 2 lessons per week on Unit 3	Revision of all unit 1. Unit 3 submitted
Hospitality & Catering <i>Qual - WJEC Level 1/2 Hospitality & Catering</i>	LO1 – The Industry AC1.1 – 1.2 <u>Half term assessment</u> including AC1.1 and AC1.2 knowledge	LO1 – The industry AC1.3 and 1.4 <u>Termly assessment</u> AC1.3 and AC1.4 with elements of previous learning	LO4 – Food Safety AC4.1-4.4 LO2 – Hospitality Operations AC 2.1-2.3 <u>Half term assessment</u> LO4 All AC's knowledge	<u>Unit 2 - Coursework preparation</u> 1.1 functions of nutrients 1.2 comparison of food groups 1.3 unsatisfactory and satisfactory 1.4 effects of cooking methods Coursework catch up / intervention	2.1 factors to consider 2.2 environmental 2.3 customer needs and 2.4 planning recipes Exam resit preparation Coursework catch up / intervention	Exam coursework in timed controlled conditions Contingency time for coursework Practical exam Exam resit preparation Coursework catch up / intervention Coursework moderation
Product/3D Design <i>Qual - AQA Art & Design (3D Design)</i>	Skills & knowledge development from year 9. Introduction to course.	Component 1 of the GCSE. Coursework = 60% of final grade. Architecture inspired desk storage solution. Research and design . Exploring different techniques.	Component 1: Architecture inspired desk storage solution. Make and evaluate the outcome.	Consolidating work for component 1 . Mock exam – topic to be chosen from previous papers	Component 2 of the GCSE. Exam project = 40% of final grade Topic dependant on the paper which is released in January	Component 2 of the GCSE. Exam project = 40% of final grade 10 hour exam within this term

KS5 (Year 12 - re-sit students only)

	Term 1	Term 2	Term 3
Construction <i>Qual - WJEC Level 1/2 Constructing the built environment</i> <i>Year 12 - resit students only.</i>	Unit 1—Safety and security in construction. Including legislation, signs and communication methods, fire safety, hazards, effects and risks. Unit 2—Developing construction projects. Including planning sequences of work, calculating costs, evaluating quality outcomes	Unit 2—Developing construction projects. Including planning sequences of work, calculating costs, evaluating quality outcomes Unit 3— Planning construction projects. Including roles and responsibilities of those on site, processes involved, resources required	Unit 3— Planning construction projects. Including roles and responsibilities of those on site, processes involved, resources required Exam for Units 1 and 3