

Curriculum Journey 2025-2026 Year 8

Subject: Design and Technology and Catering

Year 8	Rotation- Product Design	Rotation- Catering		Rotation - Graphics	
Topic	Product Design JFI	Catering		Textiles	
Vocabulary	Systems and control Circuit Current Sensor Parallel circuit Series circuit Template Jig Testing Design Pillar drill Light emitting diode (LED) Light dependent resistor (LDR) Ferrous Non-ferrous Aluminium MDF (medium density fiberboard) Anthropometrics Ergonomics Annealing Countersink	<u>Theoretical knowledge</u> Health and safety Food hygiene Personal hygiene Food preparation Food poisoning bacteria PPE Cross contamination Risk assessment Accident prevention Food storage Manufacturers Macronutrients Micronutrients RDA Food deficiency Food labelling	<u>Practical application</u> Weighing and measuring Dough making Kneading Proving Shaping Flavoring Glazing Whisking Melting Baking Setting Quality control Frying Simmering Sauce making Dicing Slicing Grating Shredding	<u>Theoretical knowledge</u> Health and safety Design process Design brief Design ideas Tools and materials Cultural understanding Cross curricular with history, art, RE Critical evaluation	<u>Practical application</u> Designing Hand stitching Sewing machine Dying fabric Fabric painting Applique Batik Wax resist techniques Embroidery Finish fabrics Pattern design Pattern cutting Fabric construction Fabric embellishment Surface pattern Making 3D product creativity



	Client Safety Client	Life stages Food source Nutrient function Special diets Cooking methods	Handling raw meat Tasting Coating Food processing Creaming Portion control Piping layering		
Assessment	Design and make task 50% End of rotation assessment 50%	Practical food 50% End of rotation knowledge assessment 50%	Design and make task 50% End of rotation assessment 50%		
Links to prior learning	Year 7 programme of study	Year 7 programme of study	Year 7 programme of study		
Catholic Social Teaching	Dignity - God is present in every human person, regardless of religion, culture, nationality, orientation or economic standing. Each one of us is unique and beautiful. We are called to treat every person and every creature with loving respect. Solidarity- Solidarity spurs us to stand side by side with our sisters and brothers, especially those living in poverty. The Common good- The common good means that the fruits of the earth belong to everyone. No one should be excluded from the gifts of creation. The Option for the poor- The option for the poor reminds us of God's	Dignity - God is present in every human person, regardless of religion, culture, nationality, orientation or economic standing. Each one of us is unique and beautiful. We are called to treat every person and every creature with loving respect. Solidarity- Solidarity spurs us to stand side by side with our sisters and brothers, especially those living in poverty. The Common good- The common good means that the fruits of the earth belong to everyone. No one should be excluded from the gifts of creation. The Option for the poor- The option for the poor reminds us of God's preferential love for the poorest and most vulnerable	Dignity - God is present in every human person, regardless of religion, culture, nationality, orientation or economic standing. Each one of us is unique and beautiful. We are called to treat every person and every creature with loving respect. Solidarity- Solidarity spurs us to stand side by side with our sisters and brothers, especially those living in poverty. The Common good- The common good means that the fruits of the earth belong to everyone. No one should be excluded from the gifts of creation. The Option for the poor- The option for the poor reminds us of God's preferential love for the poorest and most vulnerable		

	preferential love for the poorest and most vulnerable people. God's love is universal; he does not side with oppressors, but loves the humble. Peace - Peace is a cornerstone of our faith. Christ, the Prince of Peace, sacrificed himself with love on the cross. Creation and Environment - Pope Francis invites everyone on the planet to consider how our actions are affecting the earth and the poorest people. Everything is interconnected, and all of creation praises God. It is our Christian vocation to care for creation. The dignity of work and participation - The human person should always come before the pursuit of profit. Workers have the right to join trade unions, to a just wage, to spend time with their families and to rest. Work is an essential part of our human dignity and everyone has the right to participate.	people. God's love is universal; he does not side with oppressors, but loves the humble. Peace - Peace is a cornerstone of our faith. Christ, the Prince of Peace, sacrificed himself with love on the cross. Creation and Environment - Pope Francis invites everyone on the planet to consider how our actions are affecting the earth and the poorest people. Everything is interconnected, and all of creation praises God. It is our Christian vocation to care for creation. The dignity of work and participation - The human person should always come before the pursuit of profit. Workers have the right to join trade unions, to a just wage, to spend time with their families and to rest. Work is an essential part of our human dignity and everyone has the right to participate.	people. God's love is universal; he does not side with oppressors, but loves the humble. Peace - Peace is a cornerstone of our faith. Christ, the Prince of Peace, sacrificed himself with love on the cross. Creation and Environment - Pope Francis invites everyone on the planet to consider how our actions are affecting the earth and the poorest people. Everything is interconnected, and all of creation praises God. It is our Christian vocation to care for creation. The dignity of work and participation - The human person should always come before the pursuit of profit. Workers have the right to join trade unions, to a just wage, to spend time with their families and to rest. Work is an essential part of our human dignity and everyone has the right to participate.
Careers and Personal Development links	Personal development - Self-improvement, productivity, resilience, time management, physical well-being and, problem solving goal setting. Life skills – Problem solving, product design, product development, quality control skills. Links to the world of work – Designer, CAD designer, CAM operator, joiner.	Personal development - Self-improvement, productivity, resilience, time management, physical well-being and, problem solving goal setting. Life skills – Healthy living, eating a balanced diet, food preparation skills, Feeding your family, food planning and budgeting, special diets	Personal development - Self-improvement, productivity, resilience, time management, goal setting, problem solving Life skills – sustainability of clothing, hand sewing, machine sewing Links to the world of work – textile designer, fashion designer, fashion buyer, costume designer, stylist, buyer, fashion journalist, film industry

		Links to the world of work – Environmental health officer, chef, nutritionist, sports coach, product developer, food journalist	
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