



## The Fisher Way: Curriculum



*The Fisher Way aims to educate and inspire with joy, faith and love because we are an inclusive Catholic community.*

**Successful and resilient** learners who aspire to and achieve excellence

**Confident** individuals who can explore and communicate effectively

**Responsible** citizens who are active, loving and wise in all their endeavours

Subject	Product Design
Year Group	Year 9
Intent	<p><b>Successful and Resilient Learners:</b> who use creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.</p> <p><b>Confident Individuals:</b> Who are able to solve practical problems by taking risks, being resourceful, innovative, and enterprising.</p> <p><b>Responsible Citizens:</b> who recognise the effects their work can have on others and the environment and are able to make a positive contribution to the creativity, culture, wealth and well-being of their community.</p>
Narrative	

	By the end of the year learners will have a detailed understanding of the 'Design Process' and fully appreciate the importance of each stage of the process. They will be taught how to safely use a wider range of tools and equipment than they experienced in Y8 for working with woods, plastics and electronics. They will develop their CAD skills and see how this can be linked to CAM including 3D printing / laser cutting.					
<b>Half term</b>	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Knowledge (topics studied)</b>	Charity shop - Types of economic activity, business organisation, production systems, breakeven graphs		Money Box - Types of wood joint, control systems (including inputs, controls outputs), 555 timer circuit, Basic hand tools		Projectile launcher- Levers and linkages, energy, basic hand tools	
<b>Key skills</b>	Basic hand tools, designing skills, disk sander, numeracy, team work		Basic hand tools, designing skills, disk sander, measuring, soldering, researching/ analysing, Drilling, coping saw, nailing and screwing		Basic hand tools, designing skills, numeracy, team work,	
<b>Cultural capital</b>	Helping learners to be able to assess risk and be safe. Giving learners an interest in how things work and the skills to perform simple repairs. To have an insight into the way businesses work and gain an insight into the world of work.		Helping learners to be able to assess risk and be safe. Giving learners an interest in how things work and the skills to make things in wood and perform simple repairs.		Helping learners to be able to assess risk and be safe. Giving learners an interest in how things work and the skills to make things in wood and perform simple repairs. Developing learners ability to work as part of a team	
<b>Assessment</b>	Workbook grading, Practical Assessment, End of topic test		Workbook grading, Practical Assessment, End of topic test		Workbook grading, Practical Assessment	