

GCSE Design Technology: Product Design

Subject Leader: Mr J Fulson

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Curriculum Intent: To demonstrate their knowledge, understanding and skills through interrelated iterative processes that 'explore' needs, 'create' solutions and 'evaluate' how well the needs have been met.

Core Knowledge	Procedural Knowledge
Topics: 1. Identifying requirements 2. Learning from existing products and practice 3. Implications of wider issues 4. Design thinking and communication 5. Material considerations 6. Technical understanding 7. Manufacturing processes and techniques 8. Viability of design solutions	Students will: Complete a Timbers unit covering woodworking tools and woodworking procedures, focussed practical tasks Complete a Sketch modelling unit, through a design and make project. Complete a NEA (coursework) project from June 1 st Y10 until March Y11

Homework:

Weekly quizzes on core content
Later on, NEA work each week.
Revision
Seneca

Assessment:

Verbal and informal formative feedback
Weekly quizzes on core content
Summative levels for each project
Assessed and graded exams at assessment weeks.
Assessed past paper questions.

Links to Personal Development:

KS5 Sixth Form A levels in Product Design or Design Engineering
Level 3 apprenticeships

How is my knowledge developed further at Key Stage Five (Y12 and Y13)?

The skills learnt at GCSE enable students to enter the A Level course with the necessary skills to complete coursework and respond to design briefs.