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Building

Food: The use of:

- 4C's
- Food awareness
- Cook a range of dishes

RM: Understand H&S principles, material science and tool selection

Electronics :
Introduction to:

- Soldering .
- PPE
- Tools
- CAD / CAM

Food: Dangers of poor food hygiene practices. Preparation of vegetables and practical activities

RM: Understand the use of material science and industrial manufacturing processes.

Graphics:
Introduction to: drawing in 3D, rendering, digital drawing (techsoft 2D Design and Sketchup)

Explore

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Discovering

Food: Reviewing & updating knowledge of food safety – key temperatures, 4C's & Healthy eating guidelines

RM: Understand the process of designing and manufacturing an automaton that includes one or more moving part.

Electronics: Understand the process of designing and manufacturing a PCB, assembling a circuit and understanding the use of polarised components

OCR Engineering Design: Students develop skills in presenting engineering designs and complete R039 and R040 coursework as well as study towards R038 examination.

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Consolidating

WJEC Hospitality and Catering: Nutrition and nutrients and roles and menu planning for different dietary needs as well as practical Skills development

OCR Engineering Design: Develop knowledge and understanding of subject content in preparation for R038 examination.

AQA Engineering: Working with:

- Material Science
- Casting
- CAD / CAM
- Structures
- Electronics
- Engineering Drawings

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Mastering

WJEC Hospitality and Catering : Review the internal assignment brief for keywords and customer base, staffing, type of establishment, type of menu and resources

AQA Graphics: Students will take the 10 hours time in supervised, controlled conditions and conclude the course in early May.

Thriving: Students are ready and able to progress smoothly to the next phase of their learning.

Our purpose

Through design and technology we aim to equip learners with the knowledge and skills needed to think creatively and problem-solve, to turn ideas into reality and to express themselves in visual and innovative ways. We aim to provide learners with the visual and practical language to be able to respond to the world around us, the environment, their social and spiritual identity and the skills needed to become independent in their lives.

	Options
	Careers
	Data collection/ assessment weeks
	Parents evenings
	Mock exam for Years 10 and 11

