

# Year 12 AS Product Design with Resistant Materials Technology Edexcel

4.5 periods per week.

1 lesson per week to be defined for Theory.

## **Discuss course structure:**

Unit 1 - Product Analysis 30% of full AS,

Unit 2 - project 40%,

Unit 3A - Materials components 15%,

Unit 3B - Design in Society 15%.

Start thought process for major project in first week.

Complete project outline, one chapter at a time.

Final Design to be finalised by Christmas break.

Start to make when return from Christmas break.

Project Deadline 2 weeks after GCSE deadline, ~ mid March.

See full project outline.

Revision work and exam practise thereafter up to study leave.

## **Theory Schedule:**

Product Analysis.

Materials.

Industrial Processes.

Manufacturing Processes.

Design in Society.

Industrialisation / Product Time Lines.

Ergonomics.

Feasibility Study.

Smart Materials.

Product Design Cycle.

Exam Questions.