

EASTBURY SUBJECT CURRICULUM

Subject	Engineering Single Award GCSE			
Year Group	KS4			
Overview	<p>The single award GCSE in engineering encourages students to be inspired, moved and changed by following a broad, coherent, satisfying and worthwhile course of study and gain an insight into related engineering sectors, such as manufacturing. It also prepares students to make informed decisions about further learning opportunities and career choices. The course teaches students to:</p> <ul style="list-style-type: none"> • Understand the contribution that engineering makes to society and the economy; • Develop an awareness and appreciation of commercial and industry issues and emerging technologies in the context of engineering; • Develop and use a range of transferable skills when designing and making engineered products • to enable them to become effective and independent individuals; Develop an awareness and understanding of environmental issues and sustainable development; • Develop applied engineering skills as a foundation for future learning and progression; • Apply their knowledge and understanding of engineering by using skills of evaluation and problem solving 			
	Unit A621 A: Study of an Engineered Product 6 hours/30 marks	Controlled Assessment 60% of the single award		
	Unit A622 Engineering Processes 1 hour/60 marks	Examined unit 40% of the single award		
	Term	1	2	3
	Y10	Introduction to the course- skills based project to build foundation knowledge.	Introduction to engineering. Engineering sectors, materials and processes.	Introduction to engineered products- An investigative project in which students study a range of engineered products.
	Y11	Study of an engineered project (taught elements)	Study of an engineered project (controlled assessment)	Exam preparation and the final exam.

Homework	Coursework tasks are set as homework.
Additional information	www.ocr.co.uk
Useful resources	www.technologystudent.com www.tomorrowengineers.com