

OCR A Level Design, Technology and Engineering

Exam Board	Unit	Overview	Assessment (Inc. Weighting)	Support Available	Networking *(Partner school support)
OCR	Principles of... (01)	<p>This paper is set out through four sets of questions that predominantly cover technical principles within each endorsed title. Learners will be required to:</p> <ul style="list-style-type: none"> analyse existing products demonstrate applied mathematical skills demonstrate their technical knowledge of materials, product functionality, manufacturing processes and techniques demonstrate their understanding of wider social, moral and environmental issues that impact on the design and manufacturing industries. 	<p>80 marks</p> <p>1 h 30 mins Written paper</p> <p>26.7% of total A Level</p>	<ul style="list-style-type: none"> Sample assessment materials available Teaching and learning support, including: suggested activities, lesson resources; teaching guides 	Highgate School
	Problem Solving in... (02)	<p>This component has a series of longer answer questions that require learners to demonstrate their problem solving and critical evaluation skills. Learners will be required to:</p> <ul style="list-style-type: none"> apply their knowledge, understanding and skills of designing and manufacturing prototypes and products demonstrate their higher thinking skills to solve problems and evaluate situations and suitability of design solutions. 	<p>70 marks</p> <p>1 h 45 mins Written paper</p> <p>23.3% of total A Level</p>		
	Iterative Design Project (03, 04)	<p>The 'Iterative Design Project' requires learners to undertake a substantial design, make and evaluate project centred on the iterative processes of explore, create and evaluate.</p> <p>Learners identify a design opportunity or problem from a context of their own choice, and create a portfolio of evidence in real time through the project to demonstrate their competence.</p>	<p>100 marks weighted to 150 marks</p> <p>Approx. 65 hours Non-exam assessment</p> <p>50% of total A Level</p>		