



## DRAYTON MANOR HIGH SCHOOL

### YEAR 10 & 11 COURSES

Subject	<b>Product Design / Design and Technology</b>
Course Level	GCSE
Examining Body	AQA

<p><b>What will I be studying?</b></p> <p>Year 10</p> <ul style="list-style-type: none"><li>• Classification and working properties of materials</li><li>• Processes</li><li>• Manipulating materials</li><li>• Design in human context</li><li>• Social, cultural, moral and environmental Issues</li><li>• Health and Safety</li><li>• Computing</li><li>• CAD and CAM</li><li>• Designing and making skills and principles</li><li>• 'Design and make' activity using NEA criteria and marks</li></ul> <p>Year 11</p> <ul style="list-style-type: none"><li>• NEA task</li><li>• Exam preparation</li><li>• Written examination</li></ul>	<p><b>What skills will I develop?</b></p> <ul style="list-style-type: none"><li>• Computing skills</li><li>• Application of number</li><li>• Literacy</li><li>• Working with others</li><li>• Communication skills</li><li>• Problem solving</li><li>• Practical and technical skills</li><li>• Designing and making skills</li><li>• Investigation of primary and secondary data</li><li>• Working within environmental, social and economic challenges</li><li>• Developing prototypes</li><li>• Working with a regard to tolerances and managing materials</li><li>• Understanding of new and emerging technologies and energy storage and generation</li><li>• Using modern and smart materials</li><li>• Using a systems approach when designing</li><li>• Working with mechanical devices</li></ul>
<p><b>How will the course be structured?</b></p> <p>The course is comprised of 50% NEA (Non Exam Assessment) and 50% written examination</p> <p>Year 10</p> <ul style="list-style-type: none"><li>• Knowledge, skills and processes that cover 3 main principle areas: Core design principles, specialist technical principles and designing and making principles</li><li>• Design and make activities</li></ul> <p>Year 11</p> <ul style="list-style-type: none"><li>• Completion of NEA Task</li><li>• Exam preparation</li><li>• Written examination</li></ul>	<p><b>How will I be assessed?</b></p> <p>Unit 1 Written exam worth 50% (100 marks) 2 hours</p> <p>Unit 2 1 non-exam assessments (NEA – 100 marks) worth 50% Practical application of core technical principles, specialist technical principles and designing and making principles demonstrated within a portfolio of evidence (takes approximately 30-35 hours)</p>
<p><b>If you have any further questions about taking this course, who should you speak to?</b></p> <ol style="list-style-type: none"><li>1. Your DT Teacher</li><li>2. Head of DT - Mr Tennant</li></ol>	