



# Ringwood School

A National Teaching Academy

## Design & Technology GCSE

GCSE	Grades 1-9	Edexcel
<b>Who is this course aimed at?</b>	Design and Technology is an option aimed at students who enjoy the design and make process with a particular interest in using woods, metals and polymers in product design and manufacturing. The subject can be taken further through to A-Level Product Design and is ideal for students considering further education or careers in engineering, product design, architecture or manufacturing. This course covers many aspects of problem solving and encourages independent and analytical thinking, planning and organisation which are in themselves important life skills.	
<b>How will I be assessed?</b>	At the end of the course, you will undertake one, single tier exam lasting 1 hour 45 minutes. This will test your knowledge and understanding of the core content and a chosen topic that relates to timbers. The exam is worth 50% of the qualification. During the course you develop research, design and practical skills and produce a portfolio to evidence your work during an extended project. This covers the investigation, design, make and evaluation of a product and is worth 50% of the qualification.	
<b>Will I enjoy the course?</b>	You are most likely to enjoy this course if you are enthusiastic about designing and making products in a range of materials and have a desire to extend and improve your skills in developing innovative outcomes. You will need to be willing to share your views and observations of your own work and that of others in a positive and constructive way.	
<b>What will be expected of me?</b>	You will be expected to commit yourselves enthusiastically to all aspects of the course. During the portfolio component you will need to sustain interest and motivation over a long period of time. There will be opportunity to attend after school sessions where computer and workshop facilities will be available to enhance the quality of outcomes.	
<b>What will I study?</b>		
<b>Component 1 - Examination</b>	Section A: This section contains a mixture of question styles, including open-response and calculations. Over the 2 years you will study and prepare for the exam and will cover a wide range of topics that relate to core principles across Design & Technology. Section B: This section contains a mixture of question styles. It will cover in-depth theory into the preparation and application of timber.	
<b>Component 2 - Design and Make</b>	Subject content for this unit is covered within 4 areas; Investigation, Design, Making, Evaluate. Students will be provided with a contextual challenge in June of year 10 and will work on the production of a portfolio and accompanying manufactured product (in materials of their choice )during the Autumn and Spring term in year 11.	