



PEMBROKE  
A PRIORY ACADEMY

# Edexcel GCSE Design and Technology: Timber



## Why should I study GCSE Design & Technology: Timber?

You should opt for this course if you:

- Like to be creative
- Enjoy designing
- Like practical work



## What will I study?



Pupils are taught the skills and knowledge required to pass the course through a combination of teacher led sessions and mini build projects to reinforce learning. Areas covered include the design process, making in wood, metal, and plastics. Learning about graphical and design techniques, modern materials, commercial production methods, safety and electronics.

The first year of the course is mainly theory based with mini projects to practice manufacture and design skills. The second year of the course is composed of one major project, based upon the board published design scenario for that year. Students will design and develop a product whilst taking in to account user and consumer needs. After completion of the major project and portfolio students prepare for the final examination.

## How will I be assessed?



This course is assessed in the following way:

- Pupils complete a major project comprising a final manufactured product and an approximately 20 page design portfolio worth 50% of the total marks
- Pupils sit a 2 hour exam based off the theory content worth 50% of the total marks

## Which skills will I develop and use?



Students are taught to:

- Select and use the correct tools, equipment and processes to produce quality products safely with regard to themselves and others.
- Time management and working to deadlines.
- Communicate ideas clearly and effectively.
- Develop Computer-Aided Design (CAD) skills.
- Use their initiative and encouraged to be innovative.
- Be analytical, to look at a product and see possibilities.

## How will I be able to use this subject in my future career?



This course provides a good basis for progression to A-level product design or engineering and is highly regarded by organisations as a good qualification when applying for apprenticeships.