

## PCHS Curriculum Information

<b>Course Title:</b> GCSE (9-1) Design & Technology: Timbers	<b>Exam Board:</b> Pearson Edexcel	<b>Specification Code:</b> 1DT0
<b>How will students be assessed?</b> <b>Examination = 50 % of total GCSE qualification (Unit 1DT0 /01)</b> Students will sit a one and a half hour examination at the end of the course in Year 11  Exam content: <ol style="list-style-type: none"><li>1. CORE unit of work which is comprised of learning that includes knowledge gained from all areas of the Technology curriculum</li><li>2. Specialist chosen area: TIMBERS</li></ol> <b>None examined unit (NEA) – similar to coursework (Unit 1DT0 /02)= 50% of total GCSE qualification</b> Students produce their NEA that consists of a digital folder of creative work and a 3D made product/ series of prototypes.		

### KEY CONTENT

#### Half Term 1 & 2

#### NEA (Non Examined Assessment – Coursework)

Students have already been provided with a brief for their NEA in year 10 via their Google Classroom on the 29th June 2020

NEA research and analysis is completed before half term break and initial design work is started in the week before half term.

Design Development is undertaken and prototype models are produced before the end of the term in December 2020

Students will also be taught the exam content/ theory work for the 'Core' part of the course on a minimum of one lesson per week. This content will include:

- The impact of new and emerging technologies
- Energy generation and storage
- Smart and composite materials
- Mechanical devices used to produce movement
- Electronic Systems
- Metals

### **Half Term 3 & 4**

#### **NEA (Non Examined Assessment – Coursework)**

NEA making begins and will be completed by the last day of the first half term. Along with the timetabled five lessons per fortnight the students are expected to attend a minimum of two after school workshops per week to complete their NEA making.

No exam content/ theory work will take place in the first half term of 2021

The NEA written evaluation document will be produced in the first two weeks after the half term break and submitted for assessment on Friday 5<sup>th</sup> March 2021.

After the first half term the students will also be taught the exam content/ theory work for the 'Core' part of the course on a minimum of one lesson per week. This content will include:

- Papers & Boards
- Polymers
- Textiles
- Analysis of professional companies

### **Half Term 5**

Exam preparation including testing and revision is done this term