

PCHS Curriculum Information

Course Title: Product Design	Exam Board: Edexcel	Specification Code: 9DT0
<p>How will students be assessed?</p> <p>Principles of Design and Technology= Exam that is 50% of the qualification A two and a half hour exam with the use of a calculator. The paper includes calculations, short-open and open-response questions, as well as extended-writing questions focused on:</p> <ul style="list-style-type: none"> ● Analysis and evaluation of design decisions and outcomes, against a technical principle, for prototypes made by others ● Analysis and evaluation of wider issues in design technology, including social, moral, ethical and environmental impacts. <p>Non Examined Assessment (NEA) = 50% of the qualification Students produce an NEA that consists of a design folder along with a finished 3D made product or range of products. This work must be produced in consultation with a client.</p>		

KEY CONTENT
<p>Half Term 1 NEA production Project research including client identification, interviews, questionnaires, and the production of a Specification.</p> <p>Exam preparation Topic 1 : Materials Topic 4 : Digital Technologies</p>
<p>Half Term 2 NEA production Initial design work started</p> <p>Exam preparation Topic 1 : Materials Topic 7 : Potential hazards and risk assessment</p>
<p>Half Term 3 NEA production Initial design work completion & design development started</p> <p>Exam preparation Topic 2 : Performance characteristics of materials</p>
<p>Half Term 4 NEA production Design development completed & prototype model making undertaken</p> <p>Exam preparation Topic 3 Processes & techniques</p>
<p>Half Term 5 NEA production Design development & prototype model making & working drawing Topic 5 : Factors influencing the development of products</p> <p>Exam preparation</p>

Topic 6 : Effects of technological development

Half Term 6

NEA production

Working drawing completion & planning the making

Exam preparation

Topic 6 : Effects of technological development