

PCHS Curriculum Information

Course Title: Product Design	Exam Board: Edexcel	Specification Code: 9DT0
How will students be assessed? 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: • 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. 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.		

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

Half Term 5**NEA production**

Design development & prototype model making & working drawing

Topic 5 : Factors influencing the development of products

Exam preparation

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