

PCHS Curriculum Information

Course Title: DT Engineering	Frequency: 1 Lesson per fortnight	2026-2027
How will students be assessed? Practical and design work is assessed at three points during the year, with both written and verbal feedback. Homework is set and assessed throughout the course		

KEY CONTENT
Half Term 1 Work on year 8 into 9 projects from Middle schools. Hwk 1-Completion of Middle School work so that it is up to date Completion of work on the Year 8 into 9 project from Middle schools Candle Holder project begins. Research on the theme of Natural form begins. Presentation and design work started. Presentation of research using slides. Hwk 2-Draw template
Half Term 2 Star 2 Fb and improvements to be made to the research Hwk 4-Sustainability Production of candle holders in copper using hand tools begins Recording of production processes and sequence planning. Marking out of shape and form and cutting processes.
Half Term 3 Star 3 FB on practical skills Cutting and finishing processes. Joining and finishing processes Review and analysis of the product Hwk 3-Risk Assessment
Half Term 4 Introduce Design and model project: Desk tidy/ wireless charger Moodboard and Specification Design ideas
Half Term 5 Isometric drawing and rendering Star 4 FB on drawing skills HW6 Improve final design drawing

Half Term 6

TinkerCAD

Hwk 5 Ergonomics

Card modelling/ 3D printing

Evaluation against Spec