

PCHS Curriculum Information

Course Title: DT Engineering	Frequency: 1 Lesson per fortnight	
How will students be assessed? Practical and design work assessed at three points during the year with written feedback. Homework 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 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 research 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. Hwk 3-Risk Assessment
Half Term 3 Star 3 FB on practical skills Cutting and finishing processes. Joining and finishing processes Review and analysis of product Hwk 4-Sustainability
Half Term 4 Introduce Design and model project: Desk tidy/ wireless charger Moodboard and Specification Design ideas Hwk 5 Ergonomics
Half Term 5 Isometric drawing and rendering TinkerCAD Star 4 FB on drawing skills? HW6 Isometric drawing/ rendering task?

Half Term 6
Card modelling
Evaluation against Spec