

PCHS Curriculum Information

Course Title: DT Materials	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 project 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 Project on bookends begins. Research on the theme of book end begins. Layout and description work started. Presentation of research using laptops. Hwk 2-Design task
Half Term 2 Production of bookends in Pine using hand tools begins Annotation of research using laptops Annotation of research are printed. Marking out of joint and cutting processes. Hwk 3-Design task
Half Term 3 Cutting processes started. Use of a wide range of hand tools. Cutting processes continues and hand sanding and use of belt sander Hwk 4-Tool and processes test
Half Term 4 Clamping & gluing. Use of Techsoft 2D Design (CAD) taught. Design work done using CAD.
Half Term 5 Design work continued using CAD. Hwk 5- Completion of CAD ready for machining CAD work machined and drilled and final Assembly.

Half Term 6

Acrylic bookend made using CAD

Hwk 6- Completion of CAD ready for machining

Acrylic bookend machined and assembled