

PCHS Curriculum Information

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

KEY CONTENT
Half Term 1 Work on the Year 8 into 9 project from the 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 the Middle schools Project on bookends begins. Research on the theme of bookends 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 An annotation of the research is 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 continue, and hand sanding and the use of a belt sander Hwk 4-Tool and processes test
Half Term 4 Clamping & glueing. 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