

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 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 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

