

PCHS Curriculum Information

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| 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 | | |

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| 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 Candle Holder project begins. Research on the theme of Natural form begins. Presentation and design work started. Presentation of research using slides. Hwk 2-Design task |
| Half Term 2 Designs modelled in card. Manufacturing templates created. 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-planning task |
| Half Term 3 Cutting and finishing processes. Joining and finishing processes progress Review and analysis of progress. Design development Hwk 4-Tool and processes test |
| Half Term 4 Completion of manufacture Production process review. Evaluation of final product. Presentation of completed design booklet. |
| Half Term 5 Bottle opener project begins. Introduction to materials and processes involved in the manufacture. Use of templates. Quality control and Assurance introduced. Hwk 5 Developing a product specification. |
| Half Term 6 Manufacture progresses. Finishing techniques introduced. Products completed polished and plastic coated. Evaluation of the finished product against product specification |

