

Subject: Design Technology (Projects may be taught in different terms due to equipment rotation)		Year Group: 8
Term 1 Key Focus/Topic(s) Designer Clock <ul style="list-style-type: none"> Know a key designer of - Bauhaus, Art Deco, De Stijl and Memphis. Know key characteristics of the above design movements. Use a range of design strategies to develop ideas. Understand how to use CAD - 2D Design accurately 	Term 2 Key Focus/Topic(s) Designer Clock <ul style="list-style-type: none"> Understand a range of different finishes for the manufactured board - laserable plywood. Develop a Final Design clearly inspired by one of the above design movements. Be able to evaluate a design reflecting on the design process 	Term 3 Key Focus/Topic(s) Frame and Joints <ul style="list-style-type: none"> Developing hand making skills Understanding traditional wood joints Understanding quality control - production aids Sublimation prints on to textiles
Term 1 Assessment Opportunities: <ul style="list-style-type: none"> Grade for each design Weekly Google Classroom quizzes End of topic test 	Term 2 Assessment Opportunities: <ul style="list-style-type: none"> Signed off H&S passports for laser cutter Grade for finished clock Weekly Google Classroom quizzes End of topic test 	Term 3 Assessment Opportunities: <ul style="list-style-type: none"> Signed off H&S passports for belt sander and pillar drill Weekly Google Classroom quizzes End of topic test
Term 4 Key Focus/Topic(s) Frame and Joints <ul style="list-style-type: none"> Developing hand making skills Understanding traditional wood joints Understanding quality control - production aids 	Term 5 Key Focus/Topic(s) Laser Cube <ul style="list-style-type: none"> Understanding a past designer Working in the style of a past designer: Aldo Rossi Developing understanding of CAD Developing understanding of how to use the laser cutter Developing understanding of finger joints Understanding isometric drawing 	Term 6 Key Focus/Topic(s) Shoji lamps <ul style="list-style-type: none"> Laminating Target Make Idea development Harry Beck redesigning the school map <ul style="list-style-type: none"> Understanding a past designer Working in the style of a past designer Re-designing the school map Using a range of design strategies to develop ideas Testing the design
Term 4 Assessment Opportunities: <ul style="list-style-type: none"> Grading of finished shut the box Weekly Google Classroom quizzes & tests Google Test 	Term 5 Assessment Opportunities: <ul style="list-style-type: none"> Grading the finished cube Weekly Google Classroom quizzes & tests Google Test 	Term 6 Assessment Opportunities: <ul style="list-style-type: none"> Project work assessed Weekly Google Classroom quizzes & tests

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Rationale:

The aim for Year 8 is to develop the use of CAD – 2D Design and to introduce them to more aspects of the GCSE specification, 3.3.3: Work of others and 1.6: materials and their properties. Students spend two terms developing hand skills to complement the CAD/CAM projects this year. The Google Classroom quizzes and all resources are suitable for Year 10 and 11 and each project builds skills that are used for GCSE. End of topic tests are built into the course and homework reinforces content from the lessons.

Evaluation:

Achievement can be judged through review of test and examination scores, gap analysis, comparison of topic tests, quality assurance processes etc. Google Classroom quizzes are used to get students used to exam board specific. Google Classroom is used to track students' grades – this then is exported and used for all audits and data analysis. Feedback for tasks and how to be Platinum is organised on Google Classroom. At the end of each year we discuss with students what they enjoyed and EBI (Even Better If). All resources are shared on Moodle. Everyone in the department can see each other's grades for comparison and reflection.