

Subject: DT		Year Group: 8
<p>Term 1 Key Focus/Topic(s):</p> <p>Designer Clock</p> <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 	<p>Term 2 Key Focus/Topic(s)</p> <p>Designer Clock</p> <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 	<p>Term 3 Key Focus/Topic(s)</p> <p>Shut the box</p> <ul style="list-style-type: none"> • Developing hand making skills • Understanding traditional wood joints • Understanding quality control - production aids
<p>Term 1 Assessment Opportunities:</p> <ul style="list-style-type: none"> • Grade for each design • Weekly SMHW (Show My Homework) quizzes • End of topic test 	<p>Term 2 Assessment Opportunities:</p> <ul style="list-style-type: none"> • Signed off H&S passports for laser cutter • Grade for finished clock • Weekly SMHW (Show My Homework) quizzes • End of topic test 	<p>Term 3 Assessment Opportunities:</p> <ul style="list-style-type: none"> • Signed off H&S passports for belt sander and pillar drill • Weekly SMHW (Show My Homework) quizzes • End of topic test
<p>Term 4 Key Focus/Topic(s):</p> <p>Shut the box</p> <ul style="list-style-type: none"> • Developing hand making skills • Understanding traditional wood joints • Understanding quality control - production aids 	<p>Term 5 Key Focus/Topic(s)</p> <p>Cube</p> <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 	<p>Term 6 Key Focus/Topic(s)</p> <p>Cam toy</p> <ul style="list-style-type: none"> • Understand rotary systems • Card modelling skill • Design development • Test to refine • Purposes of surface finishes.
<p>Term 4 Assessment Opportunities:</p> <ul style="list-style-type: none"> • Grading of finished shut the box • Weekly SMHW (Show My Homework) quizzes & tests • End of topic test 	<p>Term 5 Assessment Opportunities:</p> <ul style="list-style-type: none"> • Grading the finished cube • Weekly SMHW (Show My Homework) quizzes & tests • End of topic test 	<p>Term 6 Assessment Opportunities:</p> <ul style="list-style-type: none"> • Grading cam toy • Weekly SMHW (Show My Homework) quizzes & tests.

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 SMHW (Show My Homework) 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. End of project tests will be used for assessing knowledge including PEEL style questions – analysis of this will then inform intervention in lessons in form of starters to recap knowledge. Show My homework quizzes are used to get students used to exam board specific. Moodle 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 Moodle. At the end of each year we discuss with students what they enjoyed and EBI. All resources are shared on Moodle. Everyone in the department can see each other's grades for comparison and reflection.