

Subject: Design Technology (projects maybe taught art different times to share tools on rotation)		Year Group: 9
<b>Term 1 Key Focus/Top Linkages</b> <ul style="list-style-type: none"> <li>Understanding keywords for mechanical devices</li> <li>Modelling</li> <li>reinforcing knowledge of 2D Design</li> </ul> <b>Moisture Sensor</b> <ul style="list-style-type: none"> <li>Understanding a systems approach to designing (input, process, outcome)</li> <li>Soldering safely (sign off on passport)</li> <li>Understanding a basic circuit</li> <li>Naming components</li> </ul>	<b>Term 2 Key Focus/Topic(s) Product for the elderly</b> <ul style="list-style-type: none"> <li>Designing for a specific target market</li> <li>Understanding the needs of the elderly</li> <li>Product analysis</li> <li>Free-hand sketching</li> <li>Design development</li> <li>Styrofoam modelling</li> <li>Photography and presentation of work</li> <li>Developing evaluation skills</li> </ul>	<b>Term 3 Key Focus/Topic(s) Reverse buggy</b> <ul style="list-style-type: none"> <li>Further developing an understanding of a systems approach to designing</li> </ul>
<b>Term 1 Assessment Opportunities:</b> <ul style="list-style-type: none"> <li>Grading projects</li> <li>Google Classroom quizzes</li> <li>Resets of quizzes under 75% passmark.</li> <li>Project Google tests</li> </ul>	<b>Term 2 Assessment Opportunities:</b> <ul style="list-style-type: none"> <li>Grading projects</li> <li>Google Classroom quizzes</li> <li>Resets of quizzes under 75% passmark.</li> <li>Project Google tests</li> </ul>	<b>Term 3 Assessment Opportunities:</b> <ul style="list-style-type: none"> <li>Grading projects</li> <li>Google Classroom quizzes</li> <li>Resets of quizzes under 75% passmark.</li> <li>Project Google tests. Weekly Google Classroom quizzes</li> </ul>
<b>Term 4 Key Focus/Topic(s) Karim Rashid</b> <ul style="list-style-type: none"> <li>Gaining an understanding of Karim Rashid</li> <li>Responding creatively to a design brief</li> <li>Creative sketching</li> <li>Development of designs with Spaceclaim</li> <li>Developing an understanding of how to render and use visualisations as a method of communicating ideas</li> <li>Further development of modelling skills</li> <li>Further development of photography and presentation of work</li> <li>Developing evaluation skills</li> </ul>	<b>Term 5 Key Focus/Topic(s) Yinka Illori</b> <ul style="list-style-type: none"> <li>Gaining an understanding of Yinka Illori</li> <li>Responding creatively to a design brief</li> <li>Development of designs with Google Sketchup</li> <li>Developing evaluation skills</li> </ul>	<b>Term 6 Key Focus/Topic(s) Islamic tile</b> <ul style="list-style-type: none"> <li>Understanding people and culture when designing</li> <li>Further development of 2D Design skills</li> </ul>
<b>Term 4 Assessment Opportunities:</b> <ul style="list-style-type: none"> <li>Grading projects</li> <li>Google Classroom quizzes</li> <li>Resets of quizzes under 75% passmark.</li> <li>Project Google test</li> </ul>	<b>Term 5 Assessment Opportunities:</b> <ul style="list-style-type: none"> <li>Grading projects</li> <li>Google Classroom quizzes</li> <li>Resets of quizzes under 75% passmark.</li> <li>Project Google test</li> </ul>	<b>Term 6 Assessment Opportunities:</b> <ul style="list-style-type: none"> <li>Grading projects</li> <li>Google Classroom quizzes</li> <li>Resets of quizzes under 75% passmark.</li> <li>Project Google tests</li> </ul>

**Rationale:**

The aim for Year 9 is for it to flow into the GCSE course. Google Classroom quizzes and all resources are suitable for Years 10 and 11. The students will be introduced to keywords and the course builds on skills learnt in Years 7 and 8. The course also provides the opportunity to complete two mini NEAs (non-examination assessment) prior to the students choosing their options for GCSE, therefore, giving them a thorough understanding of what is involved in taking GCSE Design Technology.

**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 (Point Evidence Explain Link) style questions– analysis of this will then inform intervention in lessons in form of starters to recap knowledge. 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 Moodle. At the end of each year we discuss with students what they enjoyed and EBI (Even Better If). All resources are shared on Google Classroom. Everyone in the department can see each other's grades for comparison and reflection.