



**Subject:** Product Design

**Head of Department:** Mr Young

**Year:** Eight

**Curriculum organisation**  
 Students are taught in mixed form groups of 18-22 students for two lesson per week. Pupils work on a carousel system and rotate between Food, Product Design and Textiles

**How will your daughter be learning?**  
**Product Design Rotation consists of two rotations:**

**Design and Technology Theory and Skills**

- Research methods
- Graphical and communication skills
- Specifications for design and manufacture (all areas)
- Applied mathematical skills
- Preparation skills for GCSE

**Memphis Designer Clock.**

- Generation of design ideas – Creative methods of designing ideas
- Design rationale – Selection using Edward De Bono methods, focusing upon design specification and the production detailed annotation. Designing for the V&A retail outlet
- Modelling and prototyping – Production of models prior to manufacturing
- Clock Production – Using ICT to produce Memphis design laminates which are then laminated onto the clock face. Pupils will use quartz clock movements to complete their working designer clock

- Whole class discussion
- Pair work
- Problem-solving tasks
- Practical based activities in a workshop environment
- Using Computer Aided Design (2D Design)
- Using 3D printers and laser cutters to cut out materials and fabricate
- Extended writing tasks and projects

Equipment needed for lessons	What can you do to support your daughter?
<ul style="list-style-type: none"> <li>• Standard school stationery</li> <li>• Coloured pencils</li> <li>• Black fine liner pen</li> <li>• Calculator</li> <li>• A3 Folder purchased through school £1.50</li> </ul>	<ul style="list-style-type: none"> <li>• Talk to her about the projects in Design and Technology</li> <li>• Discuss how products work and think about how they can be improved</li> <li>• Visit design related exhibitions at local galleries and museums</li> <li>• Provide her with constructive advice regarding how she could improve her written and design work.</li> </ul>

How will learning be assessed and progress measured?	Extension & Enrichment opportunities
<ul style="list-style-type: none"> <li>• Baseline assessment in Autumn half-term 1</li> <li>• Students will peer-mark some exercises</li> <li>• Practical outcomes that have been manufactured in school</li> <li>• Key homework tasks will be graded using the WKGS Grading Criteria</li> </ul>	<ul style="list-style-type: none"> <li>• Lunch time Design and Technology Seasonal Club</li> <li>• Weekend enrichment opportunities offered through WKGS Gifted and Talented</li> <li>• The department offers taster sessions for parents. Dates and details are published in the parents weekly newsletter</li> </ul>

If you have any questions about this Learning Overview, please contact the named Head of Department above.