



Curriculum Plan-Subject: Product Design
YEAR 12

Autumn Term	Spring Term	Summer Term
<p>Introduction, course outline and IW work.</p> <p>COURSE WORK Criteria one Product and focus Product comparison Moral implications Brief and Specification</p> <p>INDEPENDENT WORKING What is design Ergonomics Digital Technology</p>	<p>COURSE WORK Models and manufacture Model to prototype CAD CAM</p> <p>INDEPENDENT WORKING Smart and Modern materials Commercial Practice and Legislation Health & Safety</p>	<p>DESIGN INNOVATION CHALLENGE Preparation for a 6 hour examination on a known theme. Assemble job bag</p> <p>Practice challenge.</p> <p>INDEPENDENT WORKING Technical Data Quality Control & Quality Assurance Environmental Issues</p>
HALF TERM		
<p>COURSE WORK Design ideas Development and improvement CAD CAM</p> <p>INDEPENDENT WORKING Value Issues Inclusive design? Form follows function</p>	<p>COURSE WORK Testing and developments Final tests Summary of results Communication</p> <p>INDEPENDENT WORKING How was your product produced? Manufacturing Systems Testing</p>	<p>CORE THEORY Scale of production Digital technology Commercial practice Legislation Designers makers and the public Manufacture and the environment Value issues Aesthetic and function Ergonomics Data Testing QC & QA</p>

Bishop Milner Catholic College

