PRODUCT DESIGN

Mission Statement
To enthuse and prepare students to participate in tomorrow's rapidly changing technologies. In Product Design students combine practical and technological skills with creative thinking to design and make products and systems that meet human needs. They learn to use current technologies and consider the impact of future technological developments. They learn to think creatively and intervene to improve the quality of life, solving problems as individuals and members of a team.

Year 7

Module Title	**Module Overview**
	Introduction to designing, material identification, hand and machine tools, working with a given design brief and incorporating recycling into a product. Product Analysis of simple objects. Sustainability and making ethical material choices. Application of marking out skills and tools. Designing, developing and making an acrylic pencil holder in acrylic. Key skills, different methods of safely using saws. Designing, developing and making a slotted toy.
	Further work on the design process. Continue to practice 2D Drawing moving on to 3D Drawing. Looking into selection and modelling of different materials. Further study into sustainability and MESS. Analysing and using simple electronic components. Key skills, different methods of safely drilling holes. Designing, developing and making a Mini Light.