



Design and Technology



Archdiocese of Liverpool

Curriculum intent:

Design and Technology at St Gregory's is an inspiring, rigorous and practical subject. Pupils use creativity and imagination to design and manufacture products and prototypes that solve real and relevant problems that consider social, moral and cultural values. Drawing on disciplines such as Mathematics, Science, Computing and Art, pupils learn how to become resourceful, innovative, enterprising and capable citizens. High quality Design and Technology education makes an essential contribution to the creativity, culture, health and well-being of the nation.

Year 7

	Content	Concepts and Skills
TERM 1	Toy Train	• Resistant Materials • Working Properties of Timbers • De Stijl • Design, Analysis, Specification, Production Planning, Evaluation • Applications of Mechanisms, Smart Materials and Electronics • CAD/CAM • Hand Tools and Workshop Machine skills • Material Finishes
TERM 2	Desk Light	• Electronics • Working Properties of Timbers, Electronic Components • George Carwardine • Design, Analysis, Specification, Production Planning, Evaluation • Applications of Mechanisms and Electronics • CAD/CAM • Material Finishes
TERM 3	Biomimicry Seating	• Graphics • Working Properties of Paper and Card • Biomimicry • Design, Analysis, Specification, Evaluation • CAD/CAM • Modelling

