



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 8

TERM 1

Content

Balancing Toy

Concepts and Skills

- Resistant Materials
- Working Properties of Metals and Timbers
- Minimalism
- Design, Analysis, Specification, Production Planning, Evaluation
- Applications of Smart and Combined materials
- Hand Tools and Workshop Machine skills
- Material Finishes

TERM 2

Drawer Alarm

- Electronics
- Working Properties of Timbers, Electronic Components
- Pop art
- Design, Analysis, Specification, Production Planning, Evaluation
- Applications of Mechanisms
- CAD/CAM
- Material Finishes

TERM 3

Textile Keyring

- Textiles
- Working Properties of Fabrics
- Designers Sun Min Kim and Shawn Smith
- Design, Analysis, Specification, Production Planning, Evaluation
- Applications of electronics
- Textile skills

