



# Construction



Archdiocese of Liverpool

## Curriculum intent:

In year 10 pupils are introduced to the various aspects of trades in the Construction industry. Pupils work independently to develop a range of practical skills to manufacture products that solve real and relevant construction projects. Forming cross curricular links, pupils draw on disciplines such as Mathematics, Science and Computing. Pupils develop their knowledge and understanding of safe working practices in the 'workplace'.

## Year 10

### Content

#### Joinery techniques

Core technical principles

- Materials and their working properties

Specialist technical principles

- Stock forms, types and sizes

Making principles

- Selection of materials and components
- Tolerances
- Specialist tools and equipment

### Concepts and Skills

Tools & Equipment

Manufacturing processes & Techniques

Health & Safety

Materials: Timbers & Metals

Maths Skills: marking out and tolerances

Sustainability & Environmental issues

#### Coffee Table Project

Core technical principles

- Material categories
- Material properties

Specialist technical principles

- Using and working with materials
- Surface treatments and finishes

Making principles

- Specialist tools and equipment
- Specialist techniques and processes

Tools & Equipment

Manufacturing processes & Techniques

Mitre & Dowel Joints

Health & Safety

Materials: Metals & Polymers

Maths Skills: marking out and tolerances

Tiling & Grouting

#### Exam Preparation

- Fire safety
- Signage
- PPE (Personal Protective Equipment)
- Building site security
- Health & safety at work act 1974
- COSHH
- Risk Assessments

Design Context

Research & Analysis

Health & Safety

Site Management

Social & Moral issues in Construction

