

PADGATE ACADEMY

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Designing the Built Environment





Interested in Shaping the World Around You?

Are you curious about how buildings, bridges, and infrastructure come to life? Do you want to explore the materials, technologies, and processes that power the construction industry? Are you thinking about a future career in construction?

If so, this exciting qualification in **Constructing the Built Environment** could be the perfect starting point.

What Will I Study?

This course includes one **mandatory unit** that all students complete, along with one of two **optional units** chosen by your school or college.

Core Unit – Unit 1: Introduction to the Built Environment

In this unit, you'll explore:

- The different sectors and roles in the construction industry
- Health and safety practices
- Sustainability and environmental impacts
- The planning and design processes

Unit 2: Designing the Built Environment

You'll build on your knowledge from Unit 1 and develop skills in:

- Interpreting client briefs
- Creating design drawings and 3D models
- Using digital and manual tools to present ideas

How Will I Be Assessed?

- **Unit 1** – Written Exam (1 hour 30 minutes): Worth 40% of the qualification
- **Unit 2** – Project-Based Assessment: Worth 60% (no exam)
 - You'll respond to a client brief, create drawings, and develop a 3D model

What Skills Will I Develop?



Throughout the course, you'll gain valuable skills including:

- Communication
- Problem-solving and critical thinking
- Independent learning
- Research techniques
- Time management

These skills are highly valued by employers, colleges, and universities alike.

Where Can This Take Me?

A qualification in Designing the Built Environment can open doors to a wide range of careers—from hands-on roles like electrician, carpenter or plumber, to design and leadership positions such as architect, site manager, or project planner. You could even help restore and protect our historic buildings.

Learning journey theme	Year	Component
Unit 1 – Introduction to the Built Environment	10 & 11	Component 1 (40%)
Unit 2 – Designing the Built Environment	11	Component 2 (60%)