# ARCHITECTURE
## ENGINEERING & CONSTRUCTION

**LEVEL 3 DIPLOMA IN DESIGN, ENGINEER, CONSTRUCT! THE DIGITAL BUILT ENVIRONMENT (RQF)**

**EXAM BOARD: TQUK**, which during your time in Sixth Form will change to being known as **VQA**

| WRITTEN EXAMINATION 50% | PORTFOLIO 50% |
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**Why study Architecture, Engineering & Construction?**

The Level 3 Diploma in Design Engineer Construct is an advanced programme for learners looking to increase their knowledge of professional practice in the digital built environment.

Learners develop knowledge and skills in conducting research to inform the creation of initial design concepts; developing and adapting designs; project management and planning.

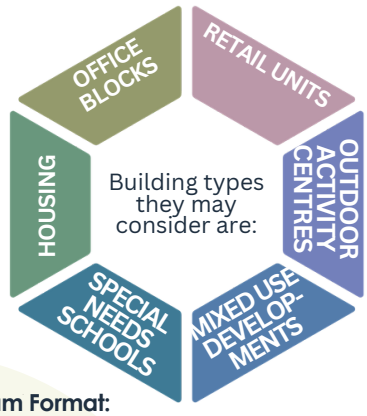
They also gain key knowledge in Building Information Modelling (BIM), evaluating site conditions, conducting a feasibility study, applying sustainable construction principles and practices involving energy efficiency, waste management and assessing the environmental impact of a construction project.

It brings together the built and natural environment, focusing on climate resilience, biodiversity, and regeneration.

**Students will be provided with a unique opportunity to develop the knowledge, competencies, behaviours and skills fundamental to successful engagement in the professional aspects of architecture, engineering and construction.**

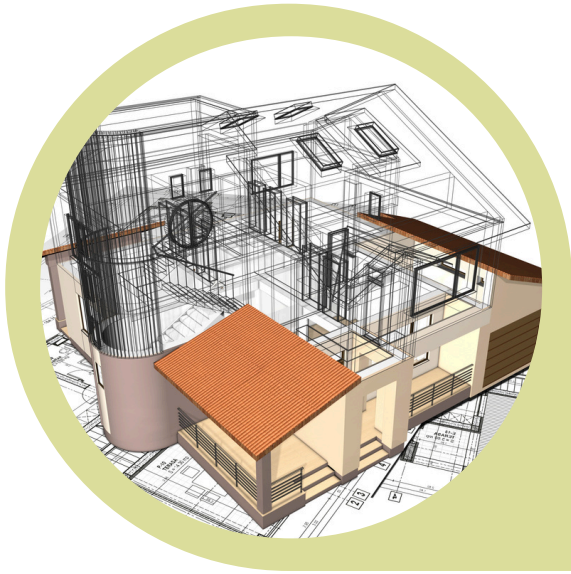
**Subject Specification Outline:**

Learners develop, design, deliver and evaluate a fit for purpose, functional building based on their own interpretation of a 'real' project brief.




**Final Exam Format:**

DEC students operating at Level 3 produce a sizeable portfolio and explore more advanced elements of building design, for example geospatial surveying techniques, life-cycle analysis, financial



planning and structural detailing. The final grade is determined though a combination of portfolio work (50%) and external examination (50%).

**Self Study Requirements:**
Pupils are expected to carry out extensive research around their work in their own time in order to create the required portfolio.

**Progression Pathways:**
An excellent basis for entry into a variety of pathways within the Architecture, Engineering and Construction industry including Architecture, Project Management, Building Services Engineering, Quantity Surveying, Land Surveying, Building Control, Design Engineer, Multimedia Designer, Engineering, (Civil, Mechanical, Structural).

The course can also lead to progression to Higher Education Courses including Architecture, Architectural Technology, Surveying, Project Management, Product and Industrial Design, Construction and Engineering courses.

**Our students, beyond Stratford:**

**University**
Lara - Architecture at the University of Liverpool
Jack - Architecture at BCU
Alfie - Architectural Technology at BCU
Mahir - Quantity Surveying at Coventry
Zak - Construction Engineering Management at Loughborough

**Apprenticeships**
Charlie - Building Surveying with Ridge Construction
Kian - Project Management with MACE
Harmony - Quantity Surveyor with Kier
Belle - Health and Safety Balfour Beatty
Ben - Highways with 4Way
Noah - Civil Engineering Technician with Informed Engineering
Emma - Lighting Design with CPW
Luca - Architectural Technology with Alcester Construction
Seb - Construction Management with Cubit Contracts