

SUBJECT: DESIGN ENGINEER CONSTRUCT (DEC)

EXAM BOARD: TRAINING QUALIFICATION UK (TQUK)

Course Description

Whether you are mad about maths, or crazy about creativity, DEC offers something for everyone. It inspires and raises the aspirations of young people to consider Construction and the Built Environment as a valuable career path. This is a new curriculum subject designed to raise the profile of architecture, engineering and professional construction careers. Students will have the opportunity to develop a range of skills and knowledge that are fundamental to working in the Construction and Built Environment sector. Through a project based approach, Design Engineer Construct applies learning to the latest construction industry practices. The result is young people with real-world practical experience and employability skills.

Topics Covered

With DEC students will experience genuine Project Based Learning and work with industry. They will develop key Design Technology skills such as research, understanding context, generation of ideas and development of solutions through to final modelling, an understanding of materials, and an insight into post construction management and behaviours. **Unit Covered; Defining, Developing, Delivering and Evaluating a Sustainable Construction Project** (*worth 16 credits*)

Exam Details

All levels are based on coursework with a multiple choice test at Level 1 and a grading exam at Level 2. The exam is worth 75% of the final qualification.

Coursework / Controlled Assessment Information

Students undertake a project encompassing a wide range of skills, activities and experiences linked to the real world of work and the built environment. Coursework is organised into an e-portfolio. This can then be stored in an appropriate format to enable assessment and moderation including retrieval of elements as moderation samples.

Students will produce comprehensive e-portfolios that will be ideal to showcase their skills and understanding to future employers or further and higher education. The Student Workbook is constructed to encourage the development of the e-portfolio with lots of hints and tips about the variety of documents and formats learners may produce.

Enrichment

There is no requirement to have a construction background as the units studied have been devised with Design Technology in mind. Learners will benefit from this subject by developing important life skills, time management, independent learning and research, as well as how to present themselves in a professional environment.

Progression Route/s

A Level 1 or Level 2 qualification can be followed up with a Level 3 at Leeds College of Building. A qualification in this course can lead to further education study of Architecture, Civil Engineering Surveyor, Planner, Quality Surveyor, Structural Engineer, Land Surveyor.