

# Construction

## BTEC First Diploma in Construction. Level 2

### Possible achievement:

Yr 12 &13: BTEC First Diploma in Construction (This is Equivalent to four GCSE's grades A\* - C) or NVQ Level 2

Study Programme (each topic covered is 60 hrs of study time over the period of two years)

1. Introduction to the construction industry (Marked externally). You will investigate research and describe factors that influence construction projects and the built environment and also the human resources available to the industry.
2. Exploring Health, Safety and Welfare (HS&W). You will investigate the importance of HS&W and the responsibility of individuals for themselves and others in the work place. You will identify the different types of risks encountered and describe good practice for a safe working environment.
3. Exploring Science and Mathematics. You will investigate forces on structures, how temperature affects construction materials. Use mathematics and graphical methods to solve construction problems.
4. Exploring Carpentry and Joinery. Identify and select appropriate hand tools, apply safe practice to the use of hand tools to form basic carpentry joints and frames to specification.
5. Performing Carpentry Operations. Identify and select the appropriate hand and power tools to carry out specific joinery operations. Apply safe working practices to the use of hand and power tools to form joinery products to given specifications.
6. Exploring Painting and Decorating. Identify and select appropriate tools and materials commonly used by the decorator. Prepare new and old surfaces for painting, use safe working practices for both materials and tools required.
7. Exploring trowel options. Identify and select appropriate tools and materials commonly used for bricklaying. Prepare work areas ready for the construction of stretcher built walls using different jointing styles.