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| Construction BTEC |
| Exam Board | Pearson | Course Code | 600/6817/6 |
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| Outline of course | BTEC Construction will introduce you to the world of Construction, with a practical focus on Joinery. You will explore how the construction industry contributes to the environment we live in. You will discover the methods, techniques, and materials which are used to design and build the structures you live in. The course teaches you how to apply science and math to select, calculate and budget for real construction activities.  |
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| Method(s) of Assessment | **Unit 1: Written Paper — Construction Technology** (1 hour 15 min - 60 marks - 25%)This exam will assess your knowledge of materials and techniques used to build low rise structures, from the foundations (substructure) through to the walls and roof (Superstructure). **Unit 3: Construction and Design** (25% of the course)Assignment 1 - How does the construction industry work (written research assessment)Assignment 2 - Design a house for a client (Written assessment, sketch drawings, computer design software, 3D model building including 3D printing and card/wood models)**Unit 2: Science and Maths** (25% of the course)Assignment 1 - The effects of force and temperature on construction materials (Experimentation)Assignment 2 - The use of maths to solve construction problems (calculating Budgets, material cost and qualities. (Student work booklet)**Unit 5: Exploring Carpentry and Joinery** (25% of the course)Assignment 1 - Understanding the tools, materials and equipment used in Carpentry and Joinery (Written assignment and teacher observation of practical work)Assignment 2 - Develop practical skills to safely produce a timber product (Practical Outcome) |
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| Choose this subject if.. | You enjoy the practical joinery tasks, what to find out more about the world of construction and the build environment, and have an interest in house design using sketch work and CAD |
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| Possible careers/ future pathways | This is a vocational course which can lead directly to employment or further education either on BTEC level 3 Construction, City and Guild in Joinery , or a range of courses in architecture or construction. |