

## Design and Technology

### Qualification: GCSE DESIGN AND TECHNOLOGY

### Exam Board: WJEC Eduqas

### Specification: C600/QS

The WJEC Eduqas GCSE in Design and Technology offers a unique opportunity, in the curriculum, for learners to identify and solve real problems, by designing and making products or systems. Through studying GCSE Design and Technology, learners will be prepared to participate confidently, and successfully, in an increasingly technological world. They will become aware of, and learn from, wider influences on design and technology, including historical, social/cultural, environmental and economic factors.

#### Unit 1

Exam (written paper) – 2 hours - 100 marks - 50% of the qualification (*externally assessed*).

Learners will study materials and their working properties and learn about processes and manufacture. They will learn about the applications and characteristics of a wide range of woods, metals and polymers, and also learn about possible careers within industry. This is a written paper that will be taken at the end of the course.

#### Unit 2

Non-Exam Assessment (NEA) – approximately 35 hours – 100 marks - 50% of the qualification (*internally assessed and externally moderated*).

Learners will choose one of three contextual challenges. They are required to complete one sustained design and make task, based on the contextual challenge they have chosen. In completing the design and make task, the learner will be required to produce the following evidence: a design brief developed in response to one of the contextual challenges set by exam board, a final prototype (or prototypes) based on that design brief, and additional evidence as necessary, including an A3 design portfolio, to enable the assessment of the learner's attainment.

- Identifying design possibilities
- Developing a design brief and specification
- Generating and developing design ideas
- Making a prototype
- Evaluating a prototype's fitness for purpose

#### How the Course is Assessed

The exam assessment comprises 50% of the total qualification. The remaining 50% is assessed through coursework which is completed during lessons.



#### Career Opportunities

Design and Technology will provide opportunities to progress to one of the many further and higher education courses in Design / Architecture / Engineering or Construction. It will also provide valuable skills for working in a range of similar careers including 3D Designer, CAD Designer or Engineer, Product Designer, Industrial Engineer, the Construction Industry, Interior Designer, the Armed Forces, Fire and Rescue and many more.



If you would like any further information, please see **Mr Conlin**