

# Design and Manufacture Higher

## Recommended Entry Requirements

A or B at National 5 Design and Manufacture

A or B at National 5 Graphic Communications (for S6 only)

Pass at Higher Graphic Communication

## Progression through Design and Manufacture

This Course or its component units may provide progression in the following way:

- exit to Further or Higher Education courses in design, manufacturing or related subjects
- exit to Further or Higher Education courses

## Course Content

Pupils undertaking Higher Design and Manufacture will gain a deeper insight to the processes of design and manufacture, explore strategies adopted in commercial product design processes and appraise the role design plays in everyday life. They will be in a strong position to pursue further study in all areas of design and manufacturing. The Course will also contribute to personal development, including transferable life skills for use beyond school achievement regardless of the career path followed.

The Higher Design and Manufacture Course differs in purpose and aim from the National 5 in requiring learners to give greater priority to evaluating design proposals and arriving at a resolved design. This reduces time spent on crafting quality prototypes and subsequently increases the time spent on making practical models in order to inform and refine design proposals.

The course will also provide candidates with the opportunity to experience the personal satisfaction of analysing and solving practical problems in applied contexts.

## Skills Developed

The aims of the Course are to develop:

- skills in design and in refining design proposals
- practical skills in the planning and development of models and prototypes
- skills in evaluation and research
- knowledge and understanding of manufacturing processes and materials
- an understanding of the impact of design and manufacturing technologies

## Assessment

### Exam Paper

2 hours, 15 minutes, 80 marks, externally assessed

### Assignment Task

90 marks, externally assessed

Passing the course equates to one level 6 qualification (24 SCQF credit points).

## Related Careers

Possible career routes for pupils include Product Designer (e.g. electronics, auto-motives, communications), Interior designer, Manufacturing apprenticeships, Design Engineering, Architecture, Quantity Surveying & Industrial Design.

As well as being celebrities, Kourtney Kardashian, Blake Lively, Laurence Llewelyn-Bowen and Peter Capaldi all have careers associated with Design and Manufacture!

