

Design and Manufacture National 5

Progression through Design and Manufacture

Higher
Design and
Manufacture

This Course or its component Units may provide progression in the following ways:

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



Course Content

The National 5 Design and Manufacture course allows candidates to develop knowledge and skills enabling them to appreciate, contribute and adapt to the diverse opportunities offered in manufacturing industries.

Candidates develop creative and practical skills by designing and making solutions to real problems. In addition, they gain an understanding of the impact of design and manufacture on everyday life.

The course encourages candidates to take a broad view of design and manufacture, through making decisions and taking responsibility for their own actions, generating and developing ideas, applying knowledge, and justifying decisions. These transferrable skills place candidates in a strong position regardless of the career path they choose.

Skills Developed

The main purpose of the course is to allow candidates to develop the skills and knowledge associated with designing and manufacturing.

The course enables candidates to develop:

- skills in designing and manufacturing models, prototypes and products
- knowledge and understanding of manufacturing processes and materials
- an understanding of the impact of design and manufacturing technologies on our environment and society.

Assessment

Exam Paper

1 hour, 45 minutes, 80 marks, externally assessed

Assignment Design Task

55 marks, externally assessed

Assignment Practical Task

45 marks: internally assessed and externally verified

Passing the course equates to one level 5 qualification (24 SCQF credit points)

Related Careers

Possible career routes for pupils include cabinet maker, carpenter, joiner, ceiling fixer, construction operative, French polisher, glazier, set construction, shop fitter and picture framer.

Harrison Ford, Whoopi Goldberg, Nick Offerman and Noel Gallagher all had successful careers related to Design and Manufacture before becoming famous!

