

What is Design and Manufacture?

This course is not the same as Craft and Design.

It is a practical course that requires the knowledge and understanding of materials, tools and processes.

Pupils will now require the knowledge of:

- Markets and Marketing.
- Members of the design team.
- Manufacturing in industry.
- Impact of technology on society.
- Pupils need to justify and give extended responses.

Advantages of the new course:

- No constraints with folio.
- More higher order thinking.
- Better prepare pupils for Higher.
- More opportunity to be creative.
- Opportunity to broaden their design knowledge.
- Autonomy to make sure the course suits you.

DESIGN & MANUFACTURE NATIONAL 4 / 5

Details of Course Components

Unit titles

D & M : Design

D & M : Materials and Manufacturing

D & M : Design

Outcome 1: Identify factors that influence design and apply these in a design task.

Outcome 2: Develop and communicate design concepts for a design task.

Outcome 3: Evaluate and existing product.

D & M : Materials and Manufacture

Outcome 1: Investigate materials for manufacturing tasks in a workshop context.

Outcome 2: Prepare for manufacturing tasks in a workshop context.

Outcome 3: Plan and implement a manufacturing sequence for a prototype.

Outcome 4: Review the manufacturing processes and finished prototype.

ASSESSMENT

Course work is assessed internally in accordance with SQA guidelines.

In addition:

- National 4 Added Value Unit is assessed internally in accordance with SQA guidelines.
- National 5 course assessment consists of a question paper which is issued by the SQA and marked externally . As well as this you have a course assignment which is issued by the SQA and marked internally in accordance with SQA guidelines.



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Courses in Turriff Academy

BEIT

Advanced Higher Accounting

Higher Accounting

National 5 Accounting

Higher Administration

National 5 Administration

National 4 Administration

Advanced Higher Business Management

Higher Business Management

National 5 Business Management

National 4 Business

Higher Computing Science

National 5 Computing Science

National 4 Computing Science

NPA Games Development

CDT

National 4 Design & Manufacture

National 5 Design & Manufacture

National 4 Woodskills

National 5 Woodskills

Useful websites to help you with your choices:

www.myworldofwork.co.uk

www.skillsdevelopmentscotland.co.uk

Further advice and information on these options is available from your subject teacher, guidance teacher and careers adviser.