

CAREERS INFORMATION



Career Areas

- Product Design
- Engineering
- Computer Aided Product Design
- Construction: Architecture
- Design
- Manufacturing
- Electronics
- Technology

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

OTHER INFORMATION

FACULTY STAFF

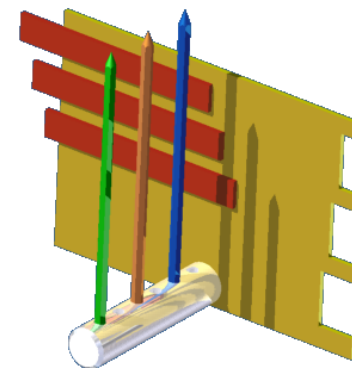
Mrs Christine Cooper (Faculty Head)

Mrs Liz Bourne
Mr John McCallum

Mr Hugh Conway
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FACULTY OF TECHNOLOGIES

Design and Manufacture National 4&5



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COURSE INFORMATION

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.



Course Outline

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.

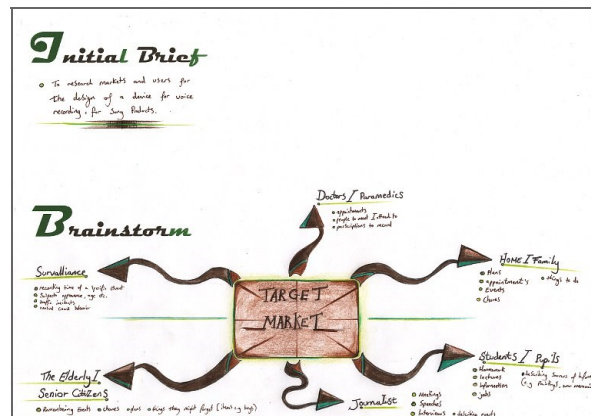
D & M : Materials and Manufacture

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.

FURTHER COURSES IN TURRIFF ACADEMY

In S4:

Woodworking Skills National 4
Graphic Communication National 4

In S5/6:

Design and Manufacture National 5
Design and Manufacture Higher
Graphic Communication National 5
Graphic Communication Higher
Woodworking Skills National 5
Higher Design and Manufacture