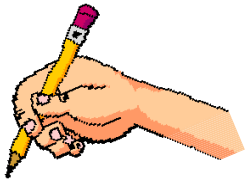
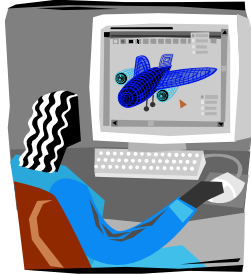


Graphic Communication



Creativity



Design & Manufacture



CAD/CAM



Ideas



Practical Skills

Design, Engineering & Technology Staff

- Mr W Hamilton (Principal Teacher)
- Mr N Macdonald (DHT)
- Mr N Blair
- Mr A Docharty
- Mr J Cumming (DHT)
- Mr W Hallett
- Mr K O'Hagan
- Miss K Grant (PT Development)
- Mr S McLaughlin (PT Development)
- Miss P Buchanan (Technician)



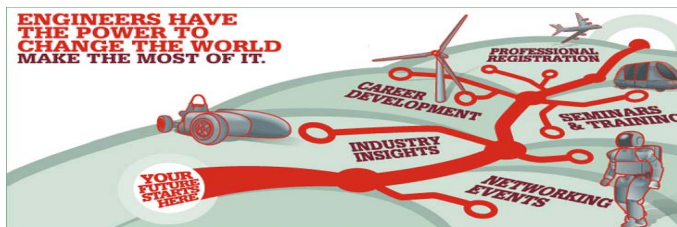
Problem Solvers



Effective Communicators

If you have questions about this course please Contact:-

Mr. W Hamilton
 (Principal Teacher of Design, Engineering & Technology)
 St. Ninian's High School
 Rouken Glen Road
 Giffnock
 GLASGOW
 G46 6UG
 Tel. 0141-577-2000



S2 Courses by Design, Engineering & Technology

Department of Design & Manufacture



St. Ninian's High School



S2 Design & Manufacture

The S2 Design & Manufacture course will allow pupils to build on their experience of S1.

The course will consist of:

- Project tasks to develop practical skills
- Design tasks
- Manual graphics
- Computer aided modelling
- Using modern CNC technology (eg Laser Cutter , 3D Printer and CNC Router) to manufacture prototypes.
- Knowledge of tools, materials and processes

Pupils will be assessed on:

- Practical skills
- Ability to develop design solutions
- Knowledge & Understanding

Homework may consist of research and investigation for design tasks or consolidation of knowledge. Homework will generally be issued once a fortnight.

Careers

Design & Manufacture is an accepted qualification for a variety of courses at Universities and Colleges of Further Education

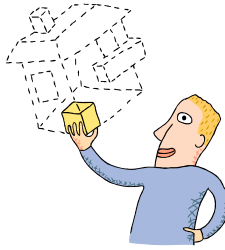
Design & Manufacture is accepted as an entrance qualification for most Universities and Colleges of Further Education and is useful for careers in:

Product Design - Architecture - Graphic Design - Marketing - Automotive Industry - Interior Design and any of the Engineering disciplines - Set Design - Furniture Design - Production Management - Computer Aided Design & Manufacture - Art & Design - Ergonomics - Construction Trades and Manufacturing Industries

Progression

At the end of S2 pupils will embark on a National 4/5 course in Design & Manufacture.

National 5 → Higher → Advanced Higher



S2 Graphic Communication

Graphic Communication is the international language of manufacturers and designers. The use of graphics to communicate information and ideas is not only a part of our everyday lives but it is universal. An ability to read and/or create drawings is a skill which enhances our opportunities within a broad range of industries and careers.

The course will consist of:

- Sketching and presentation skills
- Computer Aided Graphics
 - CAD – *AutoCAD & Techsoft*
 - 3D Modelling – *Inventor*.
 - DTP—*Serif PagePlus*

- Manual draughting skills using drawing boards
- Knowledge of the use of graphics in everyday life.
- Using modern CNC technology (eg Laser Cutter , 3D Printer and CNC Router) to manufacture prototypes.

Pupils will be assessed on:

- Drawing, Sketching and presentation skills
- Production of computer graphics
- Knowledge of graphics in everyday use.

Homework may consist of research and planning, sketching or consolidation of knowledge.

Careers

Graphic Communication is an accepted qualification for a variety of courses at Universities and Colleges of Further Education.

Graphic Communication is useful for:

Advertising - Desktop Publishing - Marketing - Animation - Digital Design - Multimedia Design - Print Design - Computer Aided Design - Illustration - Exhibition Design - Web Design - Surveying - Building Trade Apprenticeships - Architecture - Engineering Apprenticeships - Engineering - Graphic Design - Product Design - CAD Technicians - Electrical Engineering

Progression At the end of S2 pupils will embark on a National 4/5 course in Graphic Communication.

National 5 → Higher → Advanced Higher

