

DEPARTMENT: DESIGN & TECHNOLOGY

TITLE OF COURSE: GRAPHIC COMMUNICATION

LEVEL: NATIONAL 5

RECOMMENDED ENTRY LEVELS

CfE Level 4 Engineering & Graphics

COURSE CONTENT

Graphic Communication is the study of using drawings, sketches and colour illustrations needed for clear and efficient communication. The course covers the use of technical graphics in education, construction, industry and commerce. Graphic Communication offers students the opportunity to communicate in what is effectively an international language and provides them with many sought after skills for the world of work in industry.

This course consists of two units:

UNIT 1 2D Graphic Communication

UNIT 2 3D and Pictorial Graphic Communication

METHODOLOGY:

In Graphic Communication students learn how to use manual technical drawing skills, sketching and rendering skills, 2D and 3D computer aided design (CAD) and computer aided manufacture (CAM) and desktop publishing (DTP) skills. Learning and teaching will involve teacher led activities as well as extended classwork projects where students will be expected to manage their work and meet deadlines.

The **aims** of the course are to:

- Develop skills in the understanding and application of manual orthographic and pictorial drawing
- Develop skills in the understanding and application of sketching, manual rendering and illustration
- Develop skills in spatial awareness, creativity and problem solving
- Develop skills in the use of 2D and 3D CAD
- Develop an understanding of how colour and layout can be used to create effective high impact visual presentations

ASSESSMENT

- Units **internally** assessed – project portfolio
- Added Value Assignment – extended project portfolio (60 marks)
- **Externally** assessed exam (60 marks)