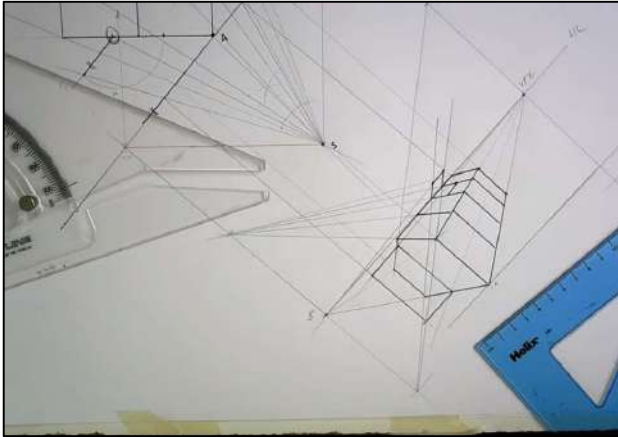


Design and Communication Graphics

D.C.G. endeavours to develop skills in the areas of graphicacy / graphical communication, creative problem solving, spatial abilities / visualization, design capabilities, computer graphics and CAD modelling.



Perspective projection question



Computer Aided Design

The DCG Journey

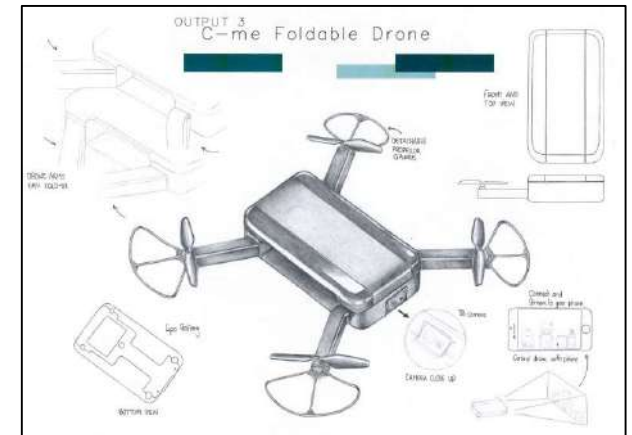
Studying DCG has proven to be especially beneficial to students pursuing the following career paths

- Architecture
- Building Construction
- Engineering
- Product/Industrial Design
- Software Developers
- Tradespeople
- Computer Aided Design Technician
- Arts

All the career paths above have been identified as some of the most high-paying and sought after in demand jobs of the future



St.Tiernan's CS Design and Communication Graphics



Subject Aims

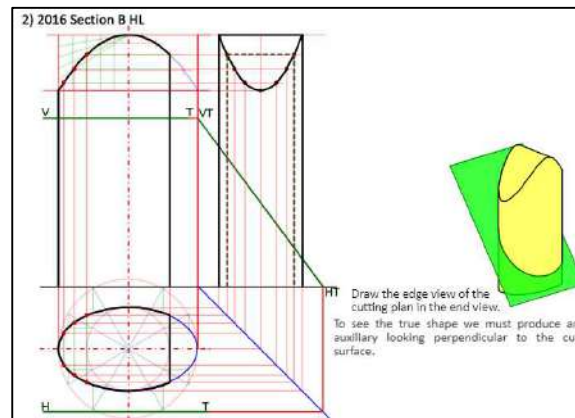
- To develop the capacity and ability of students in the area of visuospatial reasoning
- To apply appropriate thinking skills in the realisation of solutions
- To develop appropriate graphical skills for communication
- To develop the use of Information Technology
- To develop the cognitive and practical skills associated with communication graphics, problem solving and critical thinking
- To develop appropriate technical skills for the construction of drawings

Skills for Life

- Organisational Skills
- Practical Problem Solving
- Neatness
- Freehand Sketching
- Reading Drawings and Instructions
- Creativity

What will I be doing in class?

- Produce neat drawings working from 3D to 2D
- Create models of recognisable items on the computer using Solidworks
- Graphically communicate your ideas through sketching and 3D modelling programmes
- Complete a student assignment researching and developing products such as smartphones, quadcopters and gaming headsets
- Work on your own and as part of a group



Course Structure and Assessment

The DCG course is run over two years consisting of two key components. Firstly a student assignment forming 40% of the examination marks. CAD and sketching play a significant part of the project. The project runs from September to December of year two. Secondly a 3 hour terminal exam takes place during the Leaving Certificate exams and forms the other 60% of the examination marks.

Subject Facilities

St.Tiernan's boasts some of the best facilities for DCG students with a dedicated graphics. Students have access to 20 desktop computers, 24 architect standard drawing boards and the best of drawing equipment

