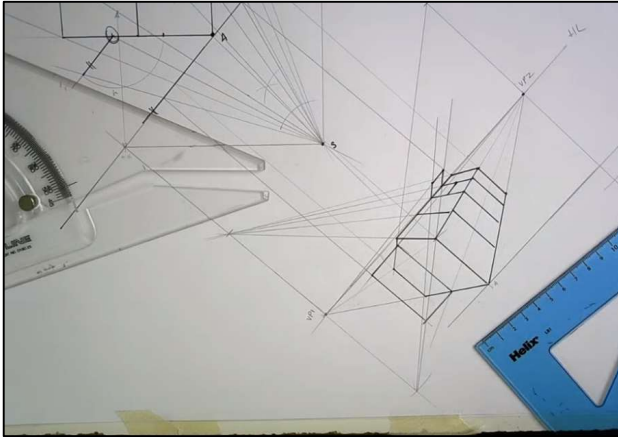


## Design and Communication Graphics

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

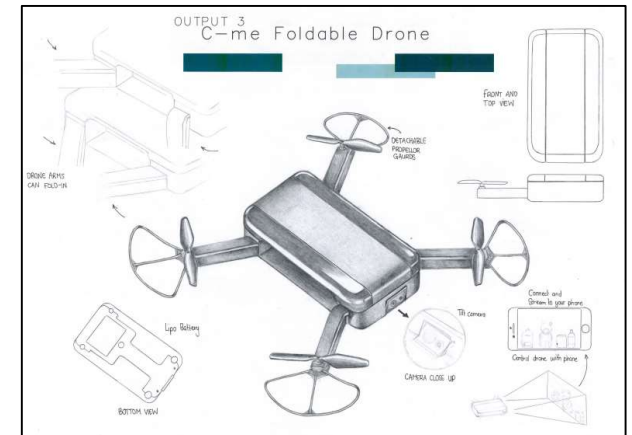
Studying DCG has proven to be especially beneficial to students pursuing the following career paths

- 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

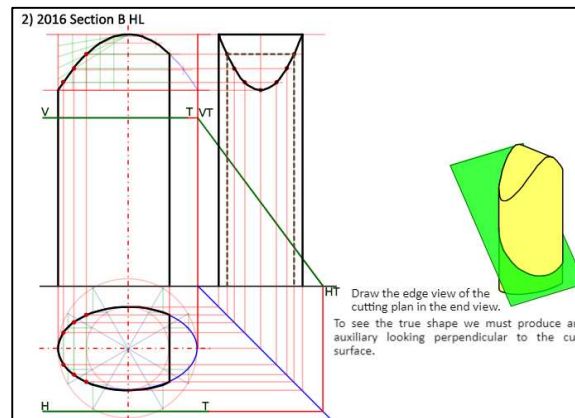
- To develop the capacity and ability of students in the area of visuospatial reasoning
- To apply appropriate thinking skills in the realisation of solutions
- To develop appropriate graphical skills for communication
- To develop the use of Information Technology
- To develop the cognitive and practical 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

