

Design Communication Graphics DCG



DCG

Design Communication Graphics



Why Study DCG

Studying DCG will give students the opportunity to **learn graphic communication skills**, work with **3D Modelling software** and develop **problem solving** and creative thinking skills.



Create 3D Models & 3D Print Prototypes



Students who choose to study DCG enjoy:

- ✓ Sketching
- ✓ Problem Solving
- ✓ Working with Computers
- ✓ Enjoy project work
- ✓ Subjects such as, Graphics, Woodwork and Metalwork



Course Structure

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.
- ✓ A **3 hour terminal exam** takes place during the Leaving Certificate exams and forms the **other 60%** of the examination marks.



Design & Model Cool Gadgets

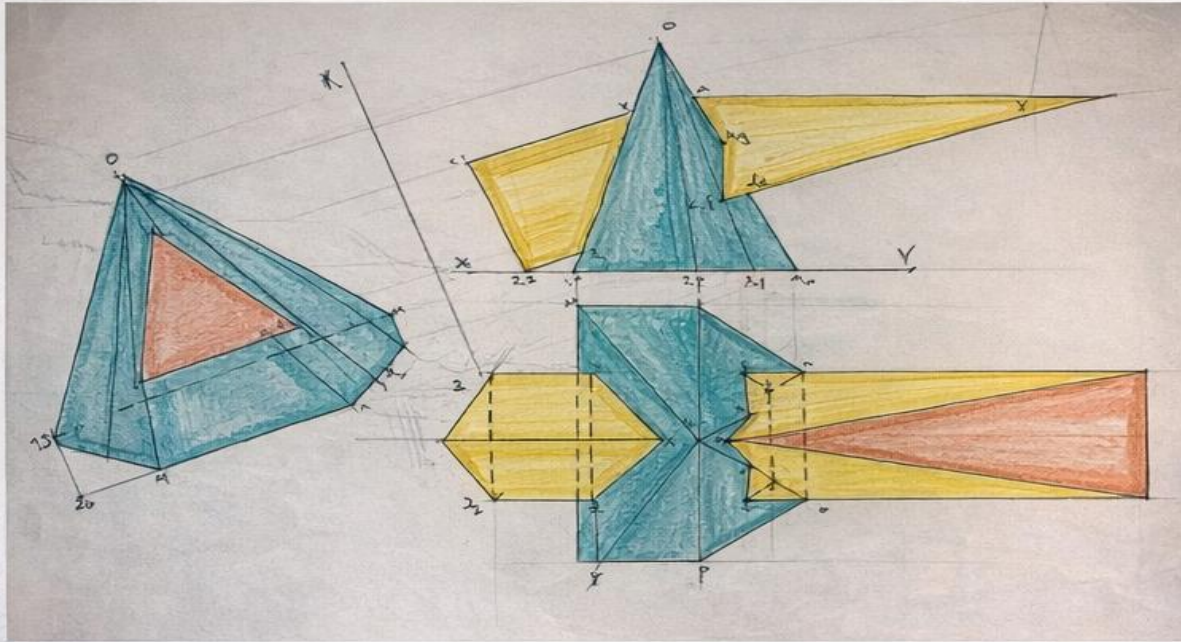


DCG



The Exam - 60%

The DCG terminal exam requires students to show **proficiency in technical drawing ability** as well as an understanding of the principles of graphics.



- Students are examined in the core elements of **graphics** as well as applied **graphics** - road geometry, structural form, etc.
- **The exam is a 3 hour exam** and consists of short and **long questions**. All questions are drawing based, there is very little if any, writing required.



The Student Assignment - 40%



Students complete the project in 6th year. Each student must submit a project consisting of **14 A3 pages**. The project involves carrying out an investigation into a given device/object/artefact found in everyday life and using the knowledge gained in a **design of their own**. The device/object/artefact changes **every year**:



- **2022:** Soap Dispenser
- **2021:** Dashcam
- **2020:** Gaming Headset
- **2019:** Drone
- **2018:** Computer Mouse
- **2017:** Smoothie & Juice Maker
- **2016:** Tap
- **2015:** Torch

DCG GAMING HEADSETS

★ COMFORTABLE

- ✓ Adjustable



- ✓ Cushioned Headband
- ✓ Soft, Cushioned Ear Cups
- ✓ Breathable Materials

★ DURABLE



- ✓ Sturdy & Strong Build
- ✓ Metal-Reinforced Headband
- ✓ Durable, Sweat-Resistant Materials

★ SAFETY FEATURES



- ✓ Volume Limiting
- ✓ Safety Padding
- ✓ Wire Reinforcement

★ MATERIALS

- ✓ Memory Foam Ear Cushions
- ✓ Leatherette & Mesh Covers
- ✓ Braided, Tangle-Free Cables

★ PHYSICAL FORM/SHAPE



★ PHYSICAL FORM/SHAPE

- ✓ Retractable/Removable Microphone
- ✓ Adjustable/Flexible Headband
- ✓ Ergonomic, Lightweight Design



ILLUMINATION

- ✓ RGB Lighting
- Power Synced with Gameplay

★ MULTI-CONNECTIVITY



- ✓ Wireless & Wired Options
- ✓ USB, 3.5mm Jack, Bluetooth

★ MULTI-CONNECTIVITY



- ✓ Wireless & Wired
- 3.5mm Jack

★ ADJUSTABLE VOLUME

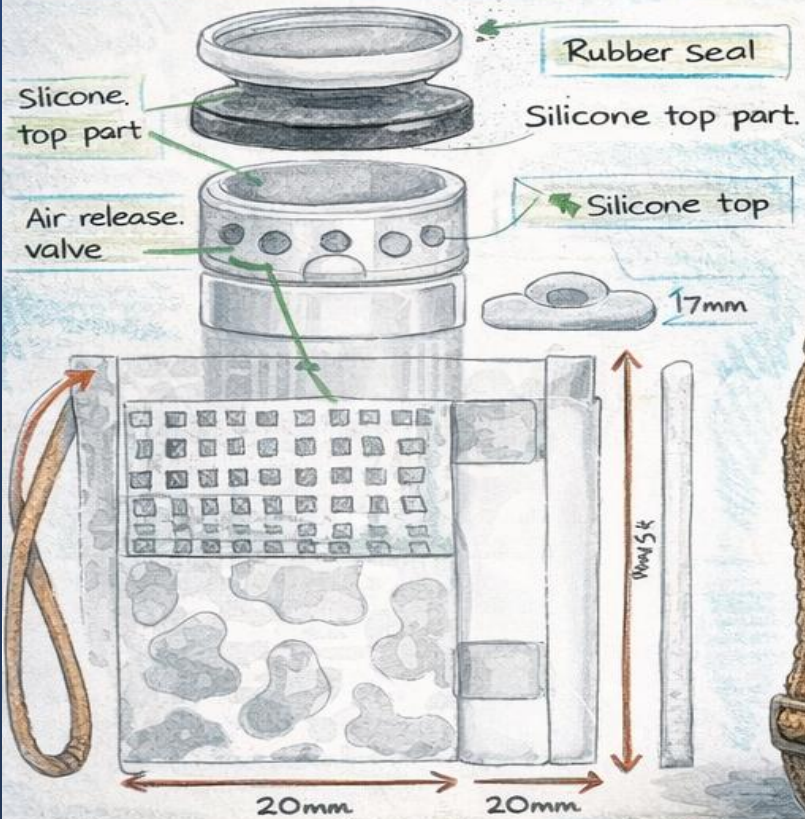
- ✓ Swivel/Fold Ear Cups
- ✓ Retractable/Detachable Mic



DCG

CONCEPT DESIGN

EXPLODED VIEW



➔ Pulling for travel mug fice easy to seal a travel mug

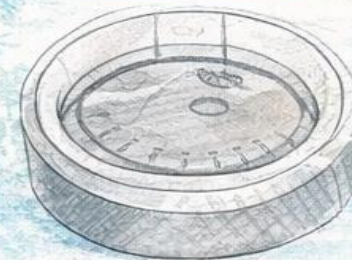
➔ Adjustable woven strap made of faux-grass rubber grip for easier transport of travel mug.



To improve customisation customisation.

➔ **OPTION:**
Drinking Hole

➔ **PLAN VIEW**

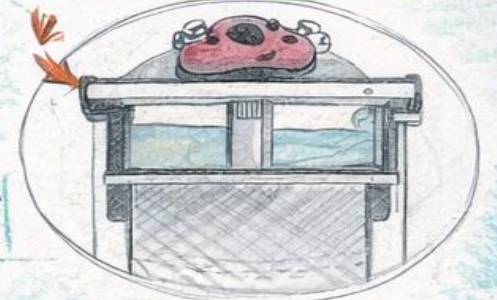


➔ **PLAN ELEVATION**



Slider used to open and close straw

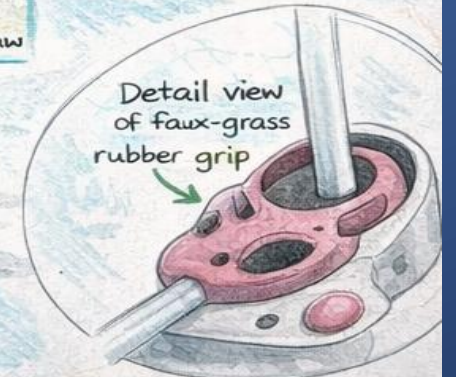
Plan of Travel Mug in Car Cup Holder (Standard Size Ø80mm)



➔ **Bottom View (Mug Body)**

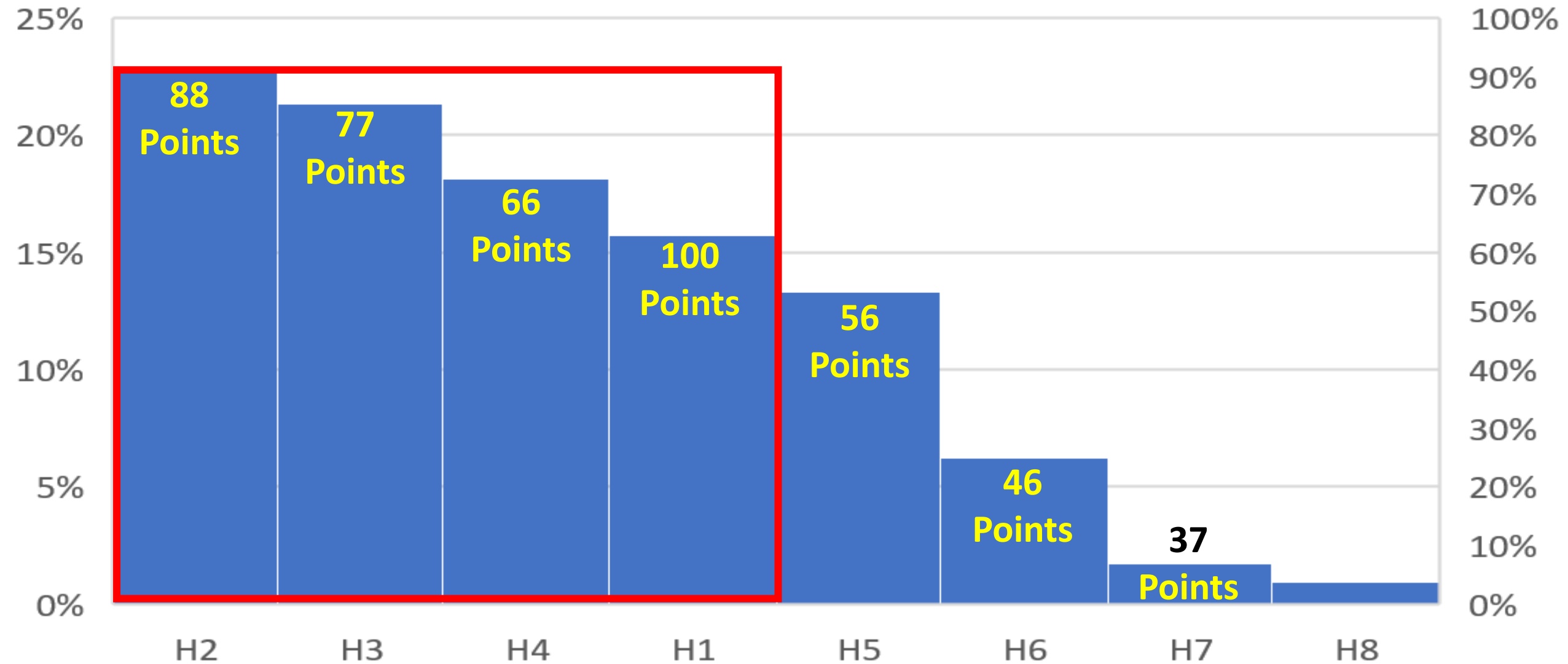


Non-slip base



Detail view of faux-grass rubber grip

Leaving Cert DCG National Results 2025



Approximately 78% of DCG students achieved a grade of H4 or greater at Higher Level nationally.
90% of students nationally opted for the higher level course



Career Possibilities

Studying Design Communication Graphics provides students with the skills beneficial for a variety of rewarding and high-demand career paths:

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



These career paths are among the **highest-paying and most sought after in demand jobs** of the future.

