

Technological University Dublin ARROW@TU Dublin

Presentations

Engineering: Education and Innovation

2013-10-11

The Relationship Between Designing and Making, and Creative Design Processes that Could be Used in Second Level Education.

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John Walsh Furniture + Product Designer

Professions that exist...

Aircraft Buyer

Almoner (one who distributes alms)

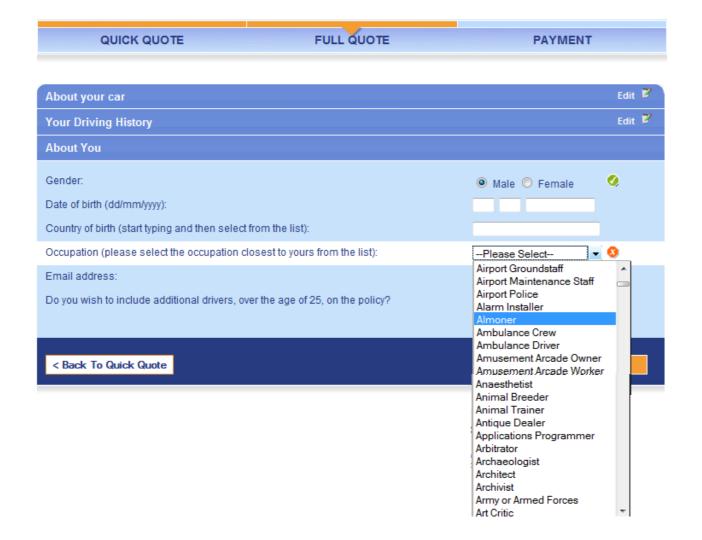
Bacon Curer

Kissagram Person

Mobile Disco Owner



Home



Your Quote: 6C3 2B4

Call me about this quote

Help

Please indicate your primary occupation. Start typing the first two/three letters and select from the list that appears. If your occupation does not appear please try again with a different description to find the nearest match.

Professions that don't exist...

Product Designer

Furniture Designer

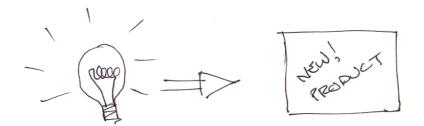
Why does this matter?

Design is Important

Why is Design Important

Of course Design is important socially and culturally

Design is important economically

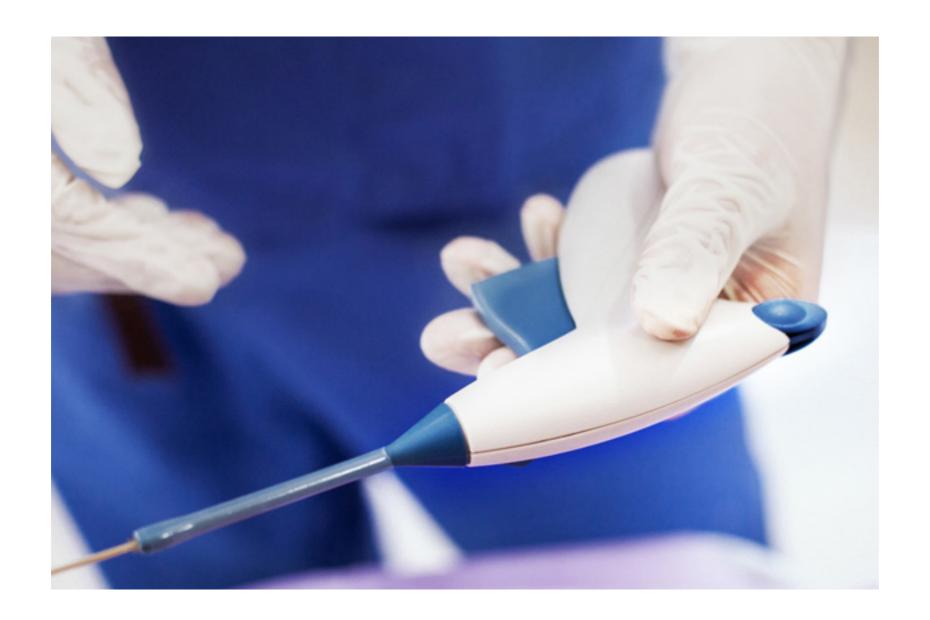


Product and Industrial Design

By turning ideas into products, Product and Industrial designers play a crucial role in enabling Irish companies to compete in existing markets, and even open up new ones.

By creating new and innovative products to export, our Product and Industrial designers are key players in helping Ireland grow its economy, re-establish its manufacturing industry, generate tax revenue and create jobs.







Some of our work

A testament to 21 years of experience

All

Innovation Services

Idea Generation

Product Design

Medical Design



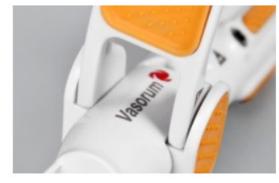
Budweiser Tap Marker



Carlsberg Double Tap Marker



ACT
Access Control Keypads



Vasorum Arterial Closure Device



Philips Respironics V60 Respirator



Punch
Max 2 Shoe Shine



Soteira Kyphoplasty System



Ash Technologies Crystal Portable Magnifier



Our Work

We regard every project as an opportunity to create something amazing, to design new tools to enrich people's lives and to build solid business and brand equity for our clients.

View by Categories

Brand Consumer Electronics Lifestyle Medical UI

View all Categories



Calor Mini BBQ Parklife Brand, Lifestyle





UE Boombox Spirit of Music Consumer Electronics, Lifestyle





Corning Cables Leveraging heritage Brand, Consumer Electronics



JeNu Skincare System Bringing beauty to the skincare industry Brand, Consumer Electronics, Lifestyle, Medical



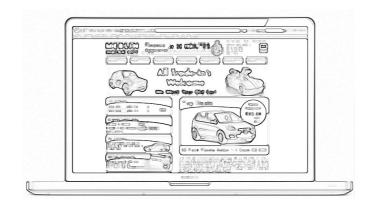




Graphic and Brand Design

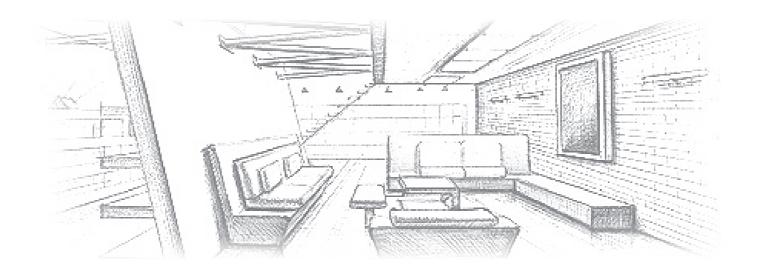
By creating professional and recognisable brands, corporate identities, and packaging, our Graphic Designers are helping Irish companies and products stand out on a global stage. Graphic Designers enable small companies to grow and reach new markets through high quality communication and advertising in print and other media.





Web Design

Our Web Designers are creating professional, memorable and engaging online representations of our companies, opening them up to wider markets and potential customers from all around the globe. Web Designers are crucial in promoting Ireland's image as an Innovative and Tech Savvy country and a centre for Information Technology.



Interior Architecture and Design

Interior Architects and Designers have made a significant contribution to our tourism and retail industry by designing some of the best hotels, shopping experiences, visitor centres and tourist attractions in the world. Moreover, they have designed inspirational workplaces and corporate headquarters for our many multinational corporations.

"Countries that wish to increase their competitive advantage have turned to design as a mechanism to add value to the goods and services that their indigenous companies produce"

A Study of the Design Services Sector on the Island of Ireland

"There is a close correlation between the use of design and the success of individual businesses as well as the competitiveness of entire countries."

A Study of the Design Services Sector on the Island of Ireland

Back to design at Second Level...

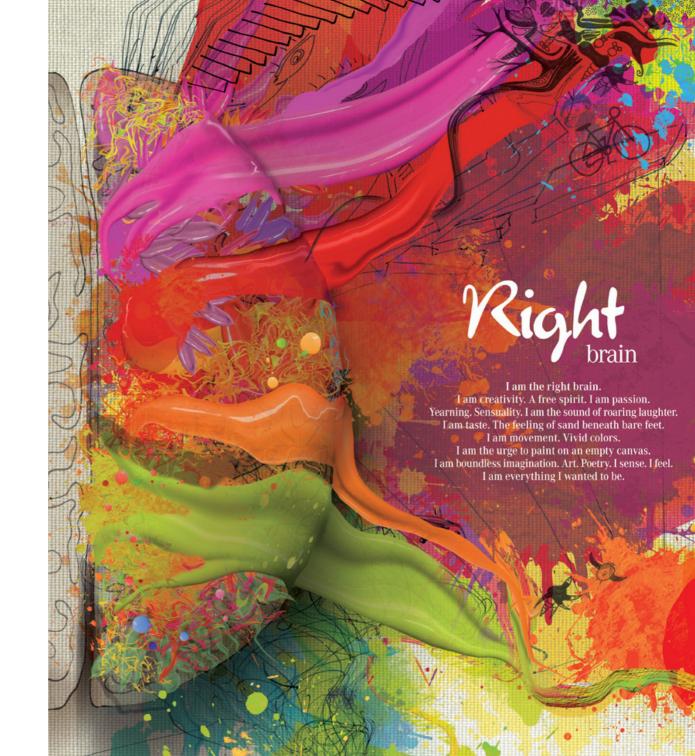
Where do designers come from?

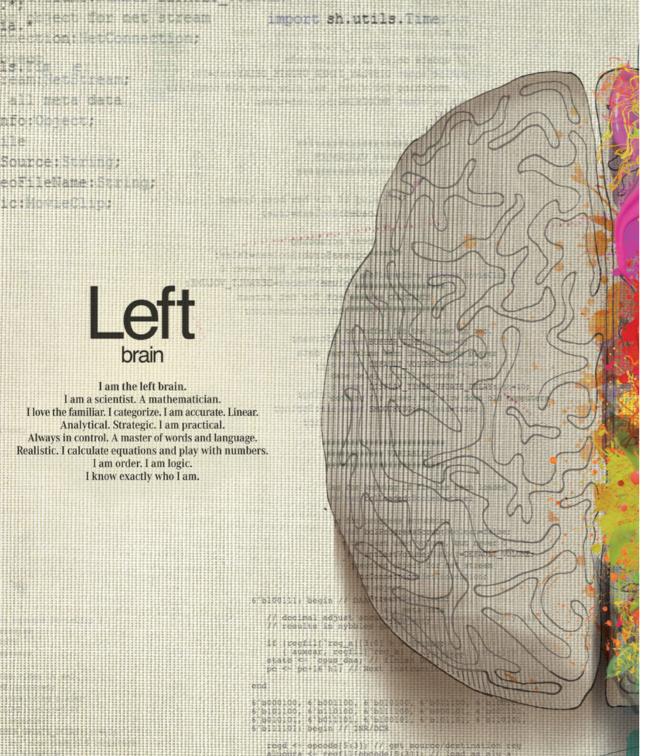


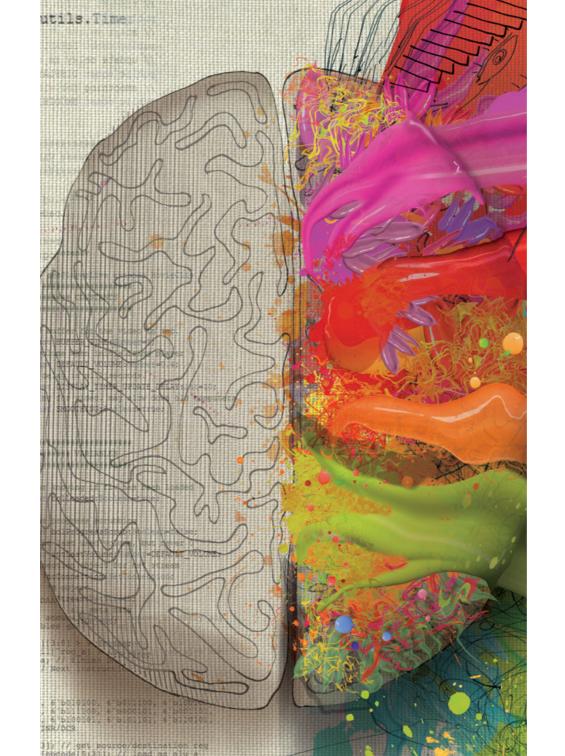
Right Brain Random Intuitive Holistic Synthesizing Subjective Looks at wholes



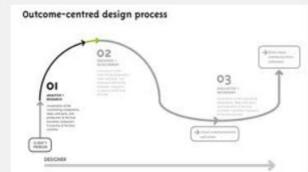
Is this where Design is?

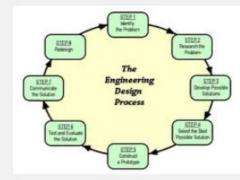




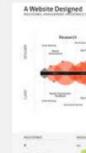




















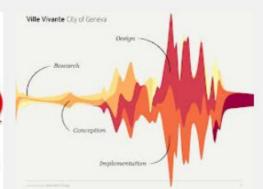


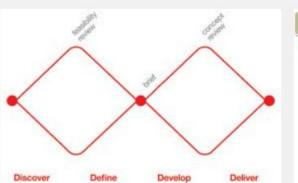


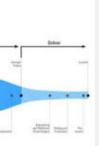


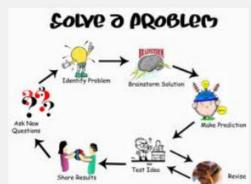




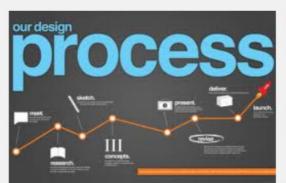






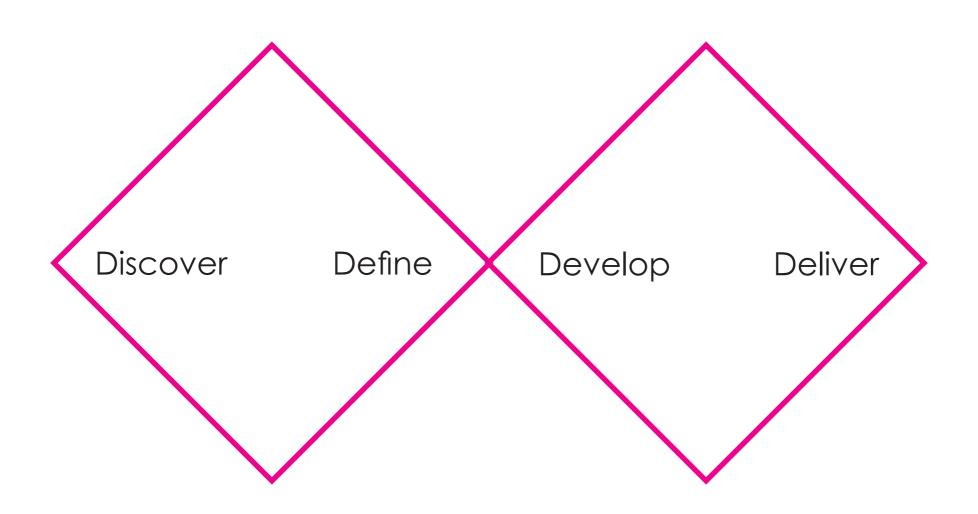


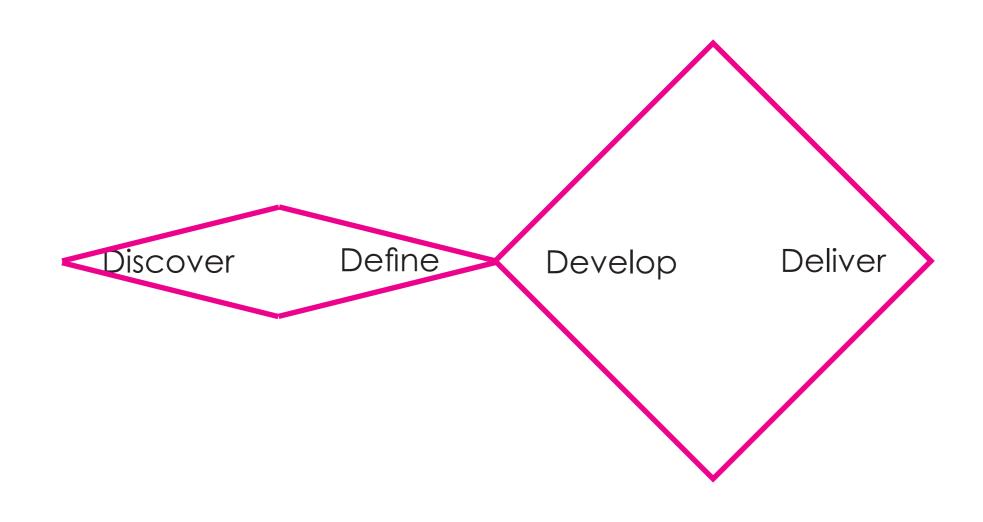












How can we teach Design ar 2nd Level

Talk about Design







Talk about Designers













Thomas Heatherwick











Benjamin Hubert

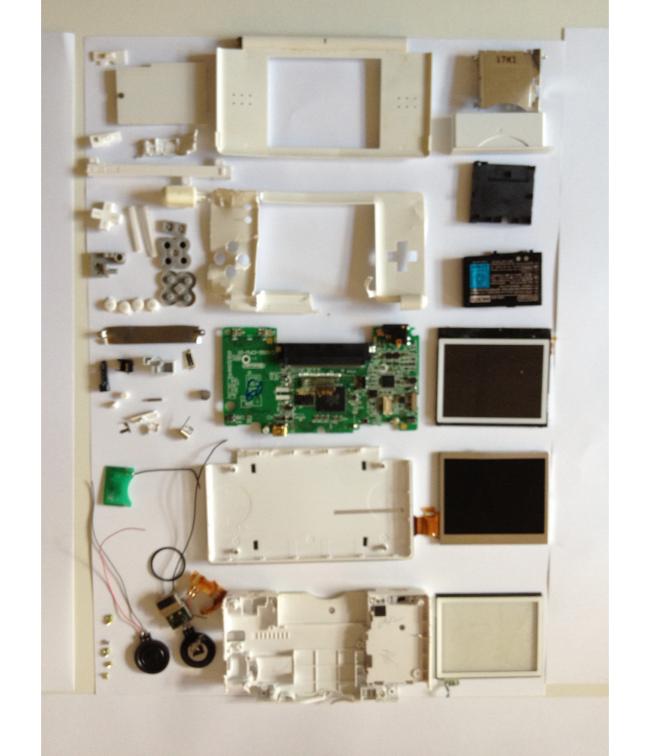








Take stuff apart





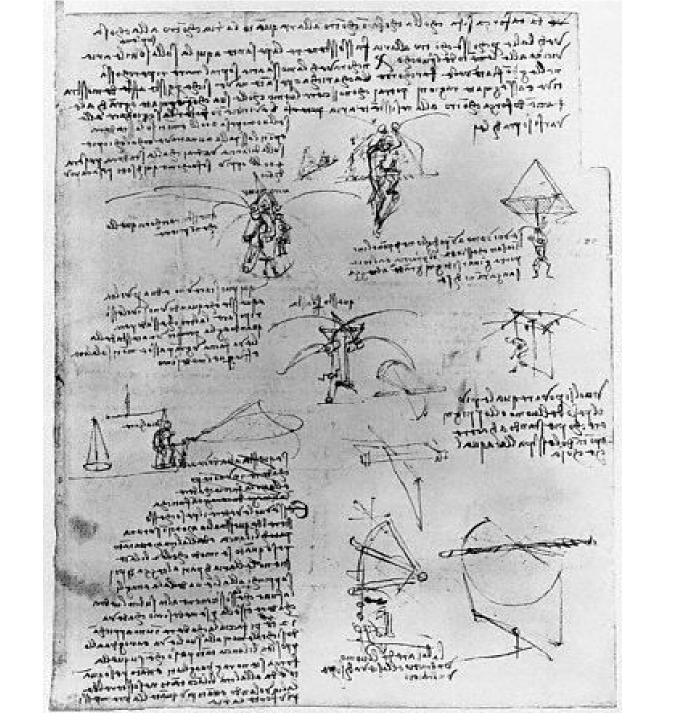
Sketch

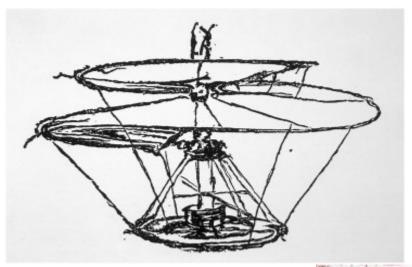
Why designers sketch: to try something out, to see if it works, to communicate and idea quickly, to remember, to figure something out, to collaborate....

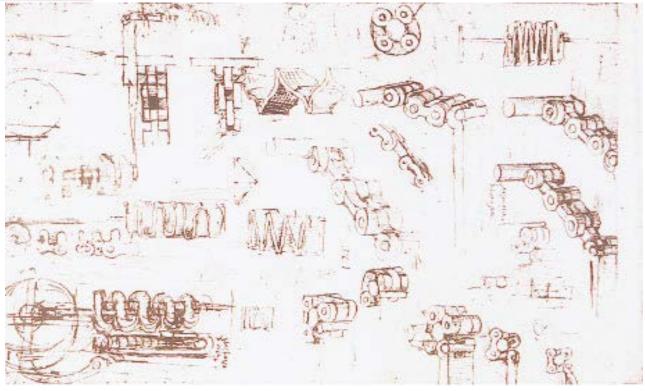
A full messy sketch pad is better than an empty neat one

Sketching thinking with your hands

Every design sketch is: not precious quick to make useful









Look

Be aware of everything around you.

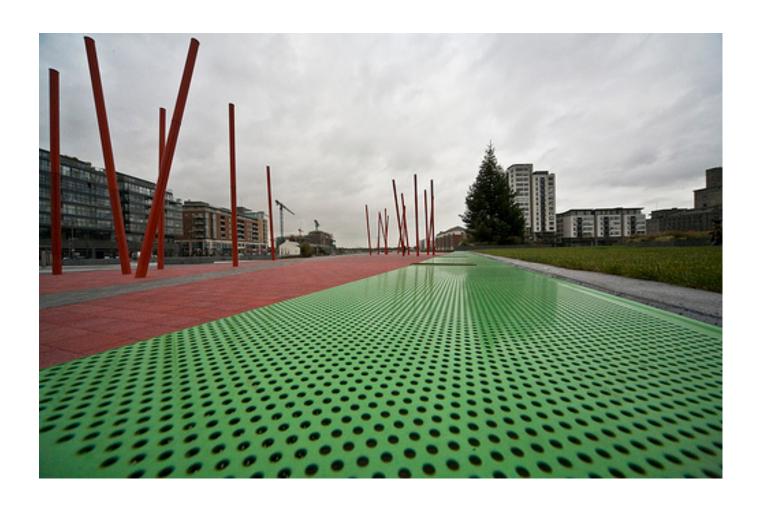
Every thing from the smallest detail...

to the Architecture and Environment that surrounds us	

Re-appropriate...

...from materials, finishes, forms, objects, pattern, functionality that you see...

...from materials, finishes, forms, objects, pattern, functionality that you see...





Designers ask "why?"



It's simple to make something complex, it's complex to make something simple



The Microsoft remote uses two AA batteries that need to be replaced about every 6 months. The Apple remote uses a single CR2032 that has never needed to be replaced. The Apple remote has 6 buttons. The Microsoft remote has 46, only 15 of which are regularly used for media playback. The buttons on the Microsoft remote are backlit so you can see what they do in the dark. The Apple remote doesn't have this feature because you never need to look at the buttons after the first minute of use.

Work

Design is 95% perspiration, 5% inspiration