

Darwin lightbox. Jo Howcroft

Materials: Hand cut lighting filter (Polyester film), acetate film, grease-proof paper, metal lighting frames, foamboard and card lid, lightbulb and holder.

Theatrical lighting filter, paired with the right lighting instrument, can help to tell a story and sway your emotions. To reimagine Darwin's bust I have used a range of filters, which correct tungsten light to daylight. The shades were layered up to construct the light and shade from the scan

Andrew Breeson

On the Origin of Species portrait

Materials: Paperback book

Size: 130 x 198 x 46mm

Darwin is remembered for his ideas, and so the best way I could think to represent him was to sculpt him out of the material embodiment of his ideas – The Origin of Species. Scorch marks are visible, and were deliberately left as I liked that they showed the process of production.

Josephine McNally

Darwin Reflected

Materials: Mirror/wood

Size: 60cms x 40cms

On one level this sculpture works as an interactive device – reflecting back whoever looks into it. On another, it is about seeing who we are.

The etched words create interest which hopefully leads on to investigation – the basis of all science.

Graeme Smith and Tom Catling

Charles Darwin USB Flash Drive

Materials: PLA, 10ml Acrylic, Black Card, 8Gb Memory Stick

Size: 15cm high.

Darwin's bust printed from a 3D file, which has been converted from its original binary code, as shown on the left, into a genetic code, as shown on the right. A USB stick embedded within Darwin's head encodes his 3D likeness in a format ready to be stored into DNA.

Cristina Amati

Darwin's Floating Head

Materials: wool mix and cashmere yarn, crochet hooks, pillow stuffing

A pensive, fatigued but indefatigable scientist - Darwin - pictured as a floating head of wisdom and inquiry, with long beard studded with sparks of insight into the natural world.

This project explores an alternative method of additive manufacturing by "filament deposition" where the filament is yarn and the technique is traditional crochet used untraditionally for geometry rendering.

Tom Svilans, Inigo Dodd,
Emmanuel Vercruyse

Darwin's Ghost

Materials: light

Traced in diaphanous strands of incandescent light, Darwin re-appears as an illusory product of a choreographed motion path, invisible to the naked eye and revealed only by the steady, unblinking gaze of the camera. The photographs are produced by a steady accumulation of light over an eleven-minute time span - Darwin's luminous form slowly unfolding over time: unseen during the immediate moment and evident only after the fact.

Kelvin Wong

Chocolate Darwin – Evolution of Flavour

Materials: Milk chocolate

The initial idea was to create a series of nesting chocolate Darwins (like a set of Matryoshka "Russian" Dolls) with a spectrum of chocolate flavours from pure white to bittersweet dark. I wanted to create something ephemeral and tasty. Unfortunately, the mould failed and I ended up with a solid chocolate Darwin instead! His forehead was hand-carved giving it a slightly bulbous look.

James Mould

Untitled Antworks

Materials: Vacuum formed clear acrylic to shape, hinged wooden box, LEDs, gel based ant habitat/nutrients, Harvester ants

Size: 42cm(h) x 25cm(w) x 14cm(d)

This sculpture was designed with Darwin's theory of evolution as the foremost concept. Utilising a nutrient enriched gel, invented as a habitat for the study of ants in zero-gravity, the structure too will change with the progression of time, as the ants excavate a network of tunnels through their new environment.

The Replica Darwin

Materials: Resin milling board layers, epoxy glue

When Institute of Making members were challenged to re-make the original Darwin bust, they were given a file containing data from a 3D laser scan of the bust, made by Mona Hess for UCL Museums.

We also used that data to make this physical full-sized replica bust to help members create their own versions. This resin Darwin was milled using the new 6-axis Kuka robot arm and turntable, *La Toyah* at B>Made, the CAD/CAM lab at the Bartlett School of the Built Environment.

#DarwinorBust