

Tuesday, 20th February.

The birth of The Brockley axe's 'digital twin' – bringing a neolithic axe into the digital age

- 11:00, Boathouse Museum - with Dr Henry Melki
- A neolithic axe from the Brockley axe factory on Rathlin now has a 'digital twin', and you can come see the creation for yourself! The Belfast School of Art has 3D-scanned the axe to explore how digital assets can be used on Rathlin, and Dr Henry Melki, Lecturer in Animation and visual effects, will walk through how it was done – and how digital 'assets' such as this can be valuable for Rathlin and islands around the world. Here the 'digital twin' will be shown on the ROVAR platform.

Super scientists run through tech innovations – from making music from rubbish to clean food, energy and water on islands.

- 13:00, Manor House – Adult event - with Alison Gault, Anna Duffy, Jamil Quarless, Dr Edwar Calderon, Dr Sean Cullen, Zoe Gison
- Round 2 of super science talks! Following on from the first set of four talks on Monday, these talks will continue the design, science and engineering tour of some of the background research associated with the Future Island-Island team. Want to know how your rubbish can make sweet, to turn wool and flax into materials? How biodegradable bags could make serious waves for farmers? How to make music from rubbish? Or maybe even how islands are securing clean food, energy and water? These talks have got you covered!

A first glimpse at tech approaches for Rathlin – see what designers and engineers are cooking up...

- 14:30-16:00, Manor House – Professor Justin Magee, Dr Sean Cullen, Dr Bronagh Millar, Mark Billham, Dr Cormac McGarrigle, Zoe Gibson
- How can technology be part of a sustainable future for Rathlin? The Future Island-Island project is looking at how cutting-edge design concepts can help Rathlin, and potentially communities all over Northern Ireland, live sustainably and tackle the climate crisis. This exhibition is the first chance to take a look at what the designers and engineers are cooking up. Spoiler alert – there will be a 3D printer having a go at reproducing a familiar-looking Rathlin brooch...

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