

# On Growth & Form 100 – Creative Coding workshops

From the Curator of Museum Services at the University of Dundee :



**Creative Coding : Animats, Animation and Artificial Life  
Designing and Coding Workshops by Genetic Moo**

**Saturday 9th December, 10am – 12.30pm and 2pm – 4.30pm  
D'Arcy Thompson Zoology Museum, Carnelley Building, University of Dundee**

Create your own virtual organisms in these special workshops by computer art duo Genetic Moo, part of our exciting programme of events marking the centenary of D'Arcy Thompson's On Growth and Form. Using design and creative coding, in the first part of the workshop you will learn how to design your creatures digitally, experimenting with different body parts, muscles and sensors.

In the second part, find out how to program simple animating backgrounds which will trigger your creatures into action. At the end of this stimulating workshop we will bring some of the 'created' creatures together into a virtual world, while observing how they behave. Coding will be done using the free and open source Processing Language.

After the workshop, we will email participants with the resulting programs and will explain how you can carry on your exciting coding experiments at home.

The workshop will run twice – a family-friendly version in the morning (10am-12.30pm) and one for adults in the afternoon (2pm-4.30pm).

Please note –

Workshops will be 2.5 hours long with a short break in the middle. All equipment will be provided.

The workshops will be run by Nicola Schauerman and Tim Pickup who make up the digital art group Genetic Moo and have ten years of experience creating interactive creatures for events and exhibitions up and down the country. They filled a shop full of digital beasties at Dundee's Wellgate Centre for NEoN Digital Arts Festival 2016.

The morning workshop is intended for children aged 10 and upwards. Children must be accompanied by one or two adults. You only need to book one place

per child as you will be sharing a netbook computer. It is great fun to work together with your kids and see who can code, or you can sit back and let the kids get on with it.

The afternoon workshop is intended for adults aged 18 and upwards.

There is a fee of £10 per person for the afternoon workshop or £10 per child for the morning workshop (accompanying adults may attend free). Please pay in cash on the day – you will not be asked to pay when registering.

Places are limited so booking through Eventbrite is required :

Family Workshop – [here](#).

Adult Workshop – [here](#).