



Congratulations to



*for developing*

computer coding and  
crafting skills

*with*

Glow Your Own 2023

**if** OXFORD SCIENCE  
+ IDEAS FESTIVAL

Run by IF Oxford and supported by  
STFC, Rutherford Appleton Laboratory, UKAEA,  
Science Oxford, Fusion Arts and Oxford City Council

**Glow Your Own** is a workshop series for learning how to use computer coding and sensors in a circuit to control LEDs and motors using Arduinos and Tinkercad, combining art and engineering

The six sessions included:

**Workshop 1** introduced the Arduino to build and code a simple virtual LED circuit

**Workshop 2** built physical circuits to activate a sequence of LEDs with code uploaded to an Arduino

**Workshop 3** introduced a button to create electronic devices that can be turned on and off

**Workshop 4** showed how to install and operate a photoresistor, introducing remote control, and how to monitor signals in a circuit

**Workshop 5** explored creative ideas and coding sequences to build portable lanterns

**Workshop 6** incorporated a servo motor to a circuit to add robotic movement to a lantern

How-to videos and worksheets are all available on-demand at:

**[if-oxford.com/gyo](https://if-oxford.com/gyo)**