

A decorative border in the shape of a circuit board traces the perimeter of the page. It features various electronic symbols: a battery at the top left, a resistor on the left side, a switch at the bottom, and several LEDs at the top, bottom, and right sides. The text is centered within this border.

Congratulations to for developing your computer coding skills with Glow Your Own 2021

if OXFORD SCIENCE
+ IDEAS FESTIVAL

Run by IF Oxford and supported by STFC,
Rutherford Appleton Laboratory, 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:

12 October 2021: workshop 1 introduced the Arduino to build and code a simple virtual LED circuit

19 October 2021: workshop 2 built physical circuits to activate a sequence of LEDs

26 October 2021: workshop 3 introduced a button and a battery to create portable LED sculptures

2 November 2021: workshop 4 showed how to install and operate a Light Dependent Resistor (light sensor) to control a circuit

9 November 2021: workshop 5 explored creative ideas and coding a sequence using an analogue sensor

16 November 2021: workshop 6 incorporated a servo motor to a circuit to add movement to a lantern

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

if-oxford.com