



## Kodu game programming 3-day camp

**Price:** £135 for 3 days

**Location:** Lantern Arts Centre

**Age Group:** 6-14

**Prerequisite Courses:** None (no coding experience required for this camp)

**Date/Time:**

- Tuesday 24<sup>th</sup> October (9:30AM to 12:30PM)
- Wednesday 25<sup>th</sup> October (9:30AM to 12:30PM)
- Thursday 26<sup>th</sup> October (9:30AM to 12:30PM)

This fun hands on coding camp teaches the children about game programming, specifically coding with Microsoft Kodu. Kodu is a visual programming language made specifically for creating games. It is designed with children in mind and is very accessible and enjoyable. It provides an end-to-end creative environment for designing, building, and playing your own new games.

The programming environment runs on PC and/or Xbox, allowing rapid design iteration using only a game controller for input. The core of the Kodu project is the programming user interface. The language is simple and entirely icon-based. Programs are composed of pages, which are broken down into rules, which are further divided into conditions and actions.

During this time the children will be building various pieces which we will put together at the end to form game.



## Schedule (Tentative)

Children will be given two short breaks during these 3 hour sessions. During this time the children are given some rest time to drink, eat, use the rest rooms and/or play around with the computers at their own pace.

### Day 1: Kodu Game Programming Basics

- Introduction to Kodu alongside navigating worlds and cameras (1 hour)
- Break
- Controlling Objects (45 minutes)
- Break
- Terrain (45 minutes)

### Day 2: Shooting, Teleportation and Game

- Shooting Targets
- Break
- Teleportation techniques (45 minutes)
- Break
- Teleportation techniques II (45 minutes)

### Day 3: Paths, Sensing and Dangerous Targets

- Paths and Sensing
- Break
- Dangerous Targets
- Break
- Final Game

Please note that there will be no food and drinks provided. We recommend that children bring some snacks and something to drink along with them. They will be given two short breaks during which they can eat and drink.