



GeekyKids Kodu Game Programming

Course Name:	Kodu Game Programming
Prerequisites	Up & Comin' Geeks
Age Group:	7 - 14 years
Price	£186

This fun course 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 ten lesson course we will go through various concepts related to game programming. Some of the topics covered include:

- Game programming basics
- Getting started with Kodu (installing, navigating around menu and options, etc)
- Navigating Worlds and Cameras
- Objects in Kodu
- Saving and publishing worlds
- Controlling objects
- Terrain
- Targets and Firing
- and much more ...

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