

## **Game Design for Young Creators**

### **About the Course**

Turn imagination into interactive games! This exciting online course introduces young learners to the fundamentals of game design, creativity, computational thinking, and programming using beginner-friendly block-based coding platforms.

Over 12 weeks, students will design and build a variety of exciting games while learning essential programming concepts, including events, loops, variables, conditions, animations, scoring systems, and user interaction. Every week features a brand-new project, ensuring learners stay engaged while progressively developing their coding and game development skills.

With a maximum of 4 learners per class, every student receives personalised guidance and support throughout the programme. The course includes practical assessments in Week 6 and Week 12, with a Certificate of Completion awarded upon successful completion.

### **Weekly Topics**

- **Week 1:** Introduction to Game Design & Block Coding
- **Week 2:** Create Your First Interactive Game
- **Week 3:** Animations & Character Movement
- **Week 4:** Maze & Adventure Games
- **Week 5:** Scoring Systems & Timers
- **Week 6:** Mid-Course Practical Assessment
- **Week 7:** Platform & Obstacle Games
- **Week 8:** Multiplayer Concepts & AI Characters
- **Week 9:** Storytelling Through Games
- **Week 10:** Advanced Game Mechanics
- **Week 11:** Design Your Own Original Game
- **Week 12:** Final Project Presentation & Assessment

This progression ensures students build confidence while creating a portfolio of fun, interactive games over the 12-week programme.