

Code Starter

LEVEL 1



Objective

Dive into the world of coding with Scratch

Where imagination meets logic! Learn the basics of programming through storytelling, games, & interactive projects that nurture creativity and problem-solving skills.



Group Size
Typically
6 Students

Course duration
6-8 Months

T&C * The course timeline depends on each child's learning phase, with the same curriculum for all.

Curriculum

Create & Animate

- 1. Animate Your Name/Logo:** Learn sequencing, motion, and events to bring names or logos to life.
 - 2. Storytelling & Mini Movies:** Combine scenes, dialogues, and backdrops for animated stories.
 - 3. Music & Dance Party:** Use loops, rhythm, and sound blocks to make sprites dance.
 - 4. Art Bot Creations:** Draw digital art with code using loops and the Pen extension.
 - 5. Interactive Games:** Build simple "Catch the Sprite" and "Virtual Pet" projects using conditions and variables.
-

Play & Challenge

- 1. Maze Escape & Racing Games:** Learn motion control, collision detection, and game logic.
 - 2. Pong & Space Shooter:** Explore bouncing, scoring, and cloning mechanics.
 - 3. Quiz & Memory Games:** Use inputs, lists, and logic to test memory and knowledge.
 - 4. Custom Blocks (Functions):** Create reusable blocks to simplify your code.
 - 5. Debugging Challenge:** Strengthen problem-solving by fixing broken codes.
-

Build & Innovate

- 1. Platformer & Multi-Level Games:** Design jumping, gravity, and multi-level adventures.
- 2. Interactive Stories:** Build "choose your own path" story apps with conditionals.
- 3. Simulations & Weather Dashboards:** Model real-world systems like pets, farms, or weather.
- 4. Virtual World Builder:** Create interactive environments with sound and animation triggers.
- 5. Project Remix Week:** Review, improve, and remix past creations into new masterpieces.