Course Objective:

An introduction to the world of programming, which drives children to think creatively, reason systematically, and work collaboratively.

Logistics:

Course will be run over google meet weekly on Saturdays from 11-12 pm EST from Sep 10 2022 – Oct 29 2022.

Course Outline:

Day 1
- Account creation/intro to scratch
- Work environment Overview + Block placement
- Intro to arrow keys

Day 2
- Chase game development
- Sprite/backdrop creation + manipulation
- Variables
- If/then statements

Day 3
- Maze Game Beginning
- Improved arrow keys
- Pen feature
- Complex blocks
- Duplication

Day 4
- How to paint sprites
- Costumes and basic animation
- Broadcasts
- Levels
- Concept integration
- A lot about making mazes

Day 5
- Intro to animation and sound dynamics
- Two player compatibilities
- Game improvement
- Practice, review, and expansion on previous concepts

Day 6
- Syntax, errors, bugs, etc.
- Troubleshooting
- Syntax concept in python

Day 7
- Timer function implementation
- Scratch extensions
- Bug fixing

Day 8
- Last day Overview
- Feedback
- Student project presentations

Contact Us:

info@nexgencoding.com