**12-Week Scratch Curriculum (Ages 7 - 9)**

**Learning Focus:**

● Build Confidence/Familiarize with using a computer

● Understand basic coding in a fun way

● Encourage creativity and imagination

● Learn by playing and making things

**Week 1: (Exploration of Scratch)**

**Core Concepts:-**

● What is scratch?

● Meeting Cat Sprite

● Animating Sprite

● **(Activity)** Make your Sprite dance, jump, move around

**Week 2: (Your World of Imagination)**

**Core Concepts:-**

● Add new Sprites (Child’s choice, e.g. Unicorn, Horse, Dog, Dragon, etc) ● Choose a background (Child’s choice, e.g. Forest, Space, etc) ● Use motion blocks to make characters fly, jump, hop, walk, dance ● Use “say” blocks to make them talk

● Learn “when green flag clicked” to start their created story ● (Activity) Create ANOTHER/YOUR OWN scene

**Week 3: (Create a mini story)**

**Core Concepts:-**

● Add background and characters of choice

● Make them talk/interact with speech bubbles

● Use the green flag to start

**Week 4: (Interactive Lesson)**

**Core Concepts:-**

● Use arrow keys or mouse to move around a Sprite

● Use “go to” blocks

● Add obstacles

● Learn how to start movement when the green flag is clicked **Week 5: (Add Music or Sounds)**

**Core Concepts:-**

● Use sound blocks

● Add sound effects

● Change costumes with sounds

● (Activity) A mini project

**Week 6: Loops**

**Core Concepts:-**

● “Forever” and “Repeat” Blocks

● Repeating movement (e.g. spinning, jumping, dancing, etc) ● Looping sounds

● Nesting blocks inside loops

● (Activity) A cat that repeats a dance move 5 times

**Week 7: Create a game (part 1)**

**Core Concepts:-**

● Add two Sprites

● Use “touching blocks”

● Add a score (1 point each)

● (Activity) Create a game, one character required, and tally up your score

**Week 8: Create a game (part 2)**

**Core Concepts:-**

● Interactive game

● Use an object and make it move

● Add a timer or more points

● (Activity) Create a game and catch the object

**Week 9: Let’s Animate a Festival**

**Core Concepts:-**

● Use bright colors and music

● Add fireworks background

● Use loops for spinning or dancing

● Activity (Project name: Malaysia Day or Eid Celebration)

**Week 10: Make your own Robot**

**Core Concepts:-**

● Choose your robot

● Assign dialogues

● Use keys to move its arms

**Week 11: Scratch Remix**

**Core Concepts:-**

● Open a previous project and add new ideas

● Choose what to add (e.g. more Sprites, music, background, etc) ● Change the storyline or theme

● Learn how to save the new file / versions (“My Project 2.0)

**Week 12: Scratch Talent Show**

**Core Concepts:-**

● Share one project

● Say 1-2 sentences about what they built ● Give feedback about the project to their peers ● Receive a small certificate

**●** (Activity) Invite parents to join if possible