

## **CODING -SCRATCH & COMPUTER APPLICATIONS FOR KIDS**

**Dear sir/madam,**

We are excited to invite your child to our interactive and engaging program, Coding – Scratch (Level One) & Computer Applications for Kids. This course is designed to introduce young learners to the world of coding and essential computer applications. The training is tailored to make technology fun and accessible for kids through hands-on activities that foster creativity and practical skills.

### **Course Overview:**

This course will cover two important areas: Scratch Coding (Level One), a beginner-friendly programming tool, and Computer Applications that are essential for daily use, such as Microsoft Word, Excel, PowerPoint, Internet, Email, Printing, and Photocopying.

Scratch coding will teach kids how to create interactive stories, games, and animations, while the computer applications module will provide foundational skills for document creation, presentations, and basic IT operations

### **Objectives:**

By the end of this course, participants will:

- Gain an understanding of basic coding concepts through Scratch (Level One).
- Learn how to create simple animations and games using Scratch.
- Develop skills in using key computer applications like Word, Excel, and PowerPoint.
- Understand how to browse the internet safely and send emails.
- Learn how to print and photocopy documents confidently.

### **Training Outcomes:**

Participants will:

- Develop foundational coding skills using Scratch and be able to create their own simple projects.
- Build confidence in using Microsoft Word, Excel, and PowerPoint for basic tasks.
- Understand how to navigate the internet safely and use email effectively.
- Be able to print, photocopy, and manage documents with ease.
- Complete fun, creative projects that they can proudly share with family and friends.

### **Who Should Attend:**

This course is designed for children aged 6+ years with an interest in technology. No prior coding or computer experience is needed. The course is structured to make learning interactive, engaging, and age appropriate.

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## Topics to Be Covered and Benefits:

1. Introduction to Computers and Basic Operations:
  - Overview of how computers work and navigating the desktop.
  - Introduction to file management: creating, saving, and opening documents.
  - Basic use of printers and photocopiers.
2. Scratch Coding – Level One:
  - **Module 1 – Scratch Overview and Vector vs Bitmap Mode:**
    - Introduction to Scratch, understanding the interface, and exploring the differences between vector and bitmap graphics.
  - **Module 2 – Creating Scripts:**
    - Learn the basics of coding with Scratch by building scripts using different block types to control actions and events.
  - **Module 3 – Costumes and Sounds:**
    - Customize your sprites by changing their costumes and adding sound effects to bring your projects to life.
  - **Module 4 – Creating a Game:**
    - Create your very first interactive game by combining different Scratch blocks, focusing on motion, control, and sensing.
  - **Module 5 – Creating Shapes and Message Broadcasting:**
    - Learn how to draw shapes using Scratch and use message broadcasting to allow sprites to communicate.
  - **Module 6 – Custom Blocks:**
    - Explore custom blocks to streamline and optimize your code, making your projects more efficient and organized.
  - **Module 7 – Updating Projects:**
    - Revamp and improve previous projects by adding new features and techniques learned throughout the course.
  - **Module 8 – Music Maker:**
    - Create a musical project where kids will use Scratch to compose and play their own tunes.
  - **Module 9 – Custom Maze:**
    - Build a fun and challenging maze game, complete with obstacles and goals for players to navigate.
  - **Module 10 – Guess My Number:**
    - Develop a number guessing game using Scratch's control and logic blocks to create a fun and interactive challenge.
  - **Module 11 – Frogger:**
    - Recreate the classic Frogger game by programming sprite movement, collisions, and scoring.
  - **Module 12 – Dance Party:**
    - End the course with a fun project where students design a dance party animation with music, costumes, and movement.
3. Microsoft Word for Kids:
  - Creating and formatting simple documents.
  - Typing practice, changing fonts, and adjusting text styles.
  - Adding pictures and creating fun, formatted text in documents.
4. Microsoft Excel Basics:
  - Introduction to spreadsheets and organizing data.

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- Simple calculations using SUM, AVERAGE, and other functions.
  - Creating tables and understanding the use of rows and columns.
5. Microsoft PowerPoint for Presentations:
- Creating a slideshow: adding slides, text, and images.
  - Inserting animations and transitions to make presentations exciting.
  - Presenting stories or Scratch projects using PowerPoint.
6. Internet and Email Basics:
- Introduction to safe internet browsing: opening websites and navigating pages.
  - Using search engines for learning and research.
  - Creating and sending emails with attachments (parent-supervised for safety).
  - Learning about online safety and privacy.
7. Printing and Photocopying Basics:
- How to print documents: selecting files and adjusting print settings.
  - Photocopying documents: using a photocopy machine effectively.
8. Scratch Coding Project Showcase:
- Participants will work on a final project to showcase their creativity in Scratch.
  - Presenting their games, stories, or animations to the group.
  - Parents will be invited to watch the final project presentations.

By the end of this course, kids will not only have a strong grasp of coding fundamentals but also gain confidence in their ability to create, problem-solve, and think logically. We look forward to nurturing your child's curiosity and passion for technology!

### **Fees and Payment Method:**

**Price: TSH 160,000/month (Holiday Package) or TSH 20,000/month (every Saturday).** Payments can be made through bank deposit to the following details:

**A/C NAME: STEP AHEAD FINANCIAL CONS**

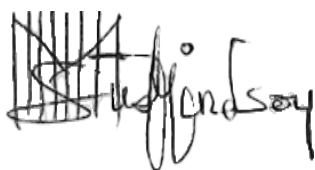
**BANK NAME: CRDB BANK**

**ACCOUNT NUMBER: 015C448187900**

### **Confirmation:**

To confirm your attendance or for any inquiries, please call +255 713 388 317 or email us at [info@safco.co.tz](mailto:info@safco.co.tz).

Sincerely,



Yustino Nyendeza

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Step Ahead Financial Consultants Limited (SAFCO)

Training Director

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